



Ontario

Ministry of
Transportation and
Communications

Transportation Compendium

A Statistical Review of Ontario Transportation

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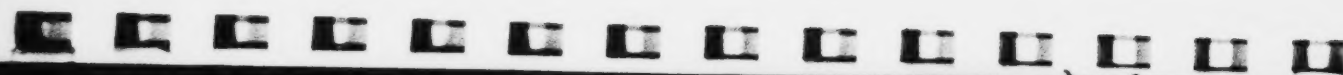
Ontario Ministry of Transportation and Communications

Hon. James W. Snow, Minister

H.F. Gilbert, Deputy Minister

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November 1984



Acknowledgements

Much of the data in this Transportation Compendium are drawn from other published material. The contributions of the original compilers are gratefully acknowledged.

Production of a document of this nature is a task of considerable complexity involving the talents of many people. Key particulars are listed below.

It may also interest the reader to know that the tables were input on an AES Multi-Plus II office system because it could accommodate the very wide columns required and cross-check the sums of columns. The graphs were composed and plotted on a Hewlett-Packard 9845-B computer using HP enhanced BASIC graphics language.

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Preface

This publication is a compilation of transportation statistics for handy reference. Statistics cover approximately a ten year period to reflect the recent trends.

Ontario is the focal point. Where appropriate, identical statistics of other provinces or countries are shown for comparison.

Sources of statistics are identified. Those who may want more details can check directly with the sources.

This publication is primarily designed for the internal use of this Ministry.

Introduction

This compendium contains data describing the extent of transportation in Ontario and places it in wider context. It is descriptive of the trends in the supply and demand for each mode.

Effort has also been made to provide context to the Ontario data by citing relevant national and international figures for comparison.

The compendium is formatted by mode into seven (7) chapters:

1. Highways and Roads;
2. Transit;
3. Rail;
4. Air;
5. Marine;
6. Pipeline;
7. Transportation General (Intermodal).

Within each chapter, time series data are presented to provide statistics on:

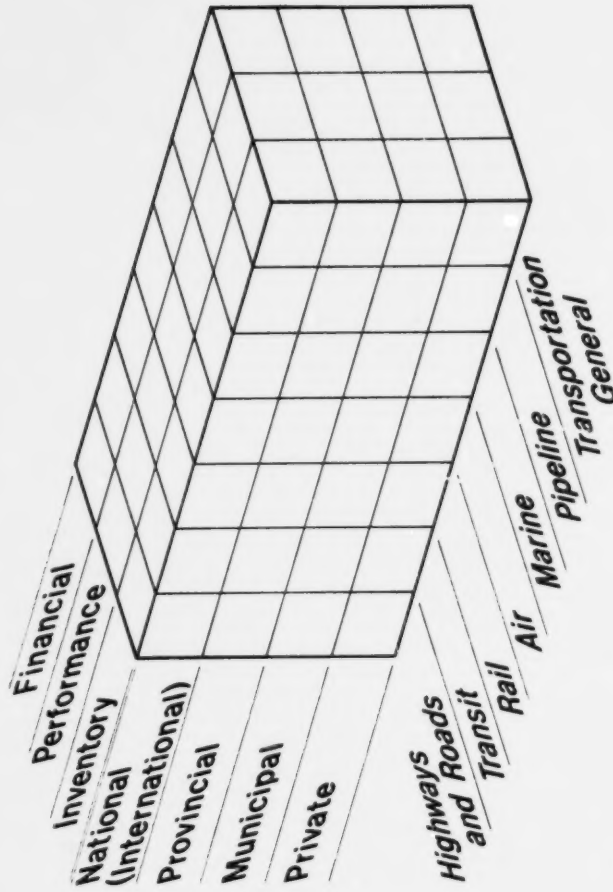
1. Inventory;
2. Performance;
3. Financial Aspects.

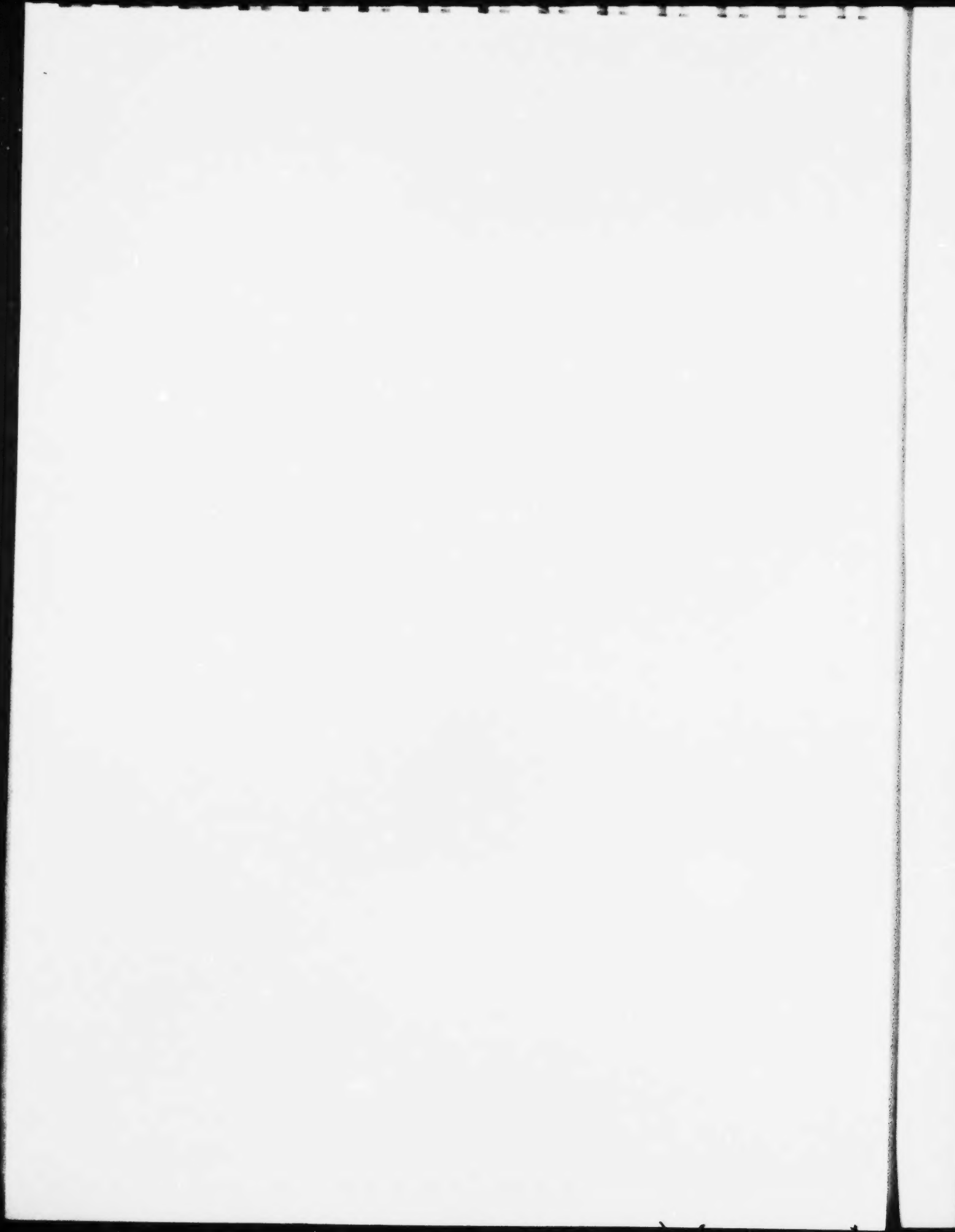
The compilation of statistical materials is usually a tedious and time consuming process. Consequently, reliable sources often represent a two to three years time lag. This compendium incorporates the latest available information at the time of publication.

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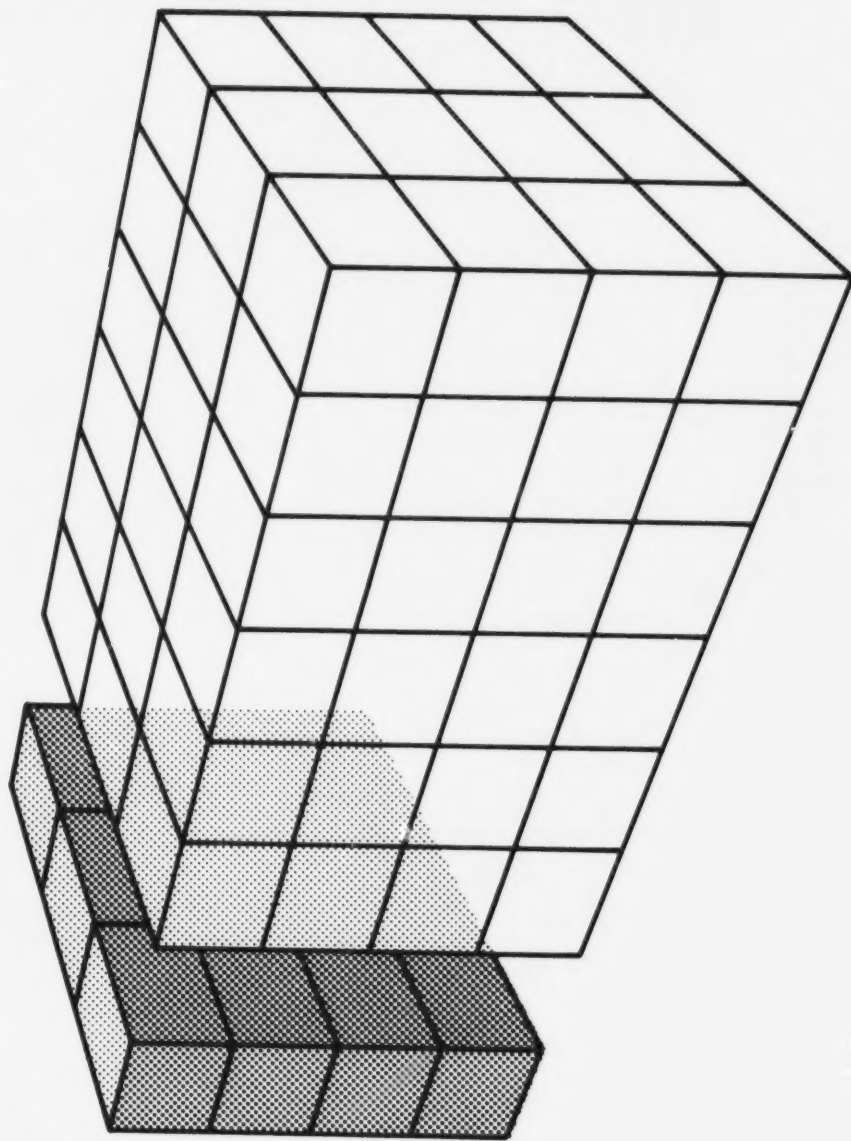
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Highways and Roads



1. Highways and Roads

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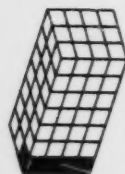


Table RI 1 - Road Motor Vehicle Registration,¹ Canada, 1962-1982

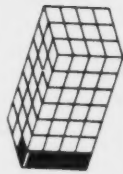
YEAR	PASSENGER AUTOMOBILES	TRUCKS AND BUSES ²	MOTORCYCLES IN THOUSANDS	OTHER ³ TOTAL
1962	4 531.4	1 115.2	33.1	95.1 5 774.8
1963	4 788.9	1 144.2	37.2	104.4 6 074.7
1964	5 037.9	1 186.9	47.1	110.2 6 382.0
1965	5 279.4	1 231.7	74.0	113.7 6 698.8
1966	5 480.7	1 279.9	107.9	166.7 7 035.3
1967	5 865.7	1 312.7	125.7	177.9 7 482.0
1968	6 159.6	1 389.8	140.3	198.1 7 887.1
1969	6 433.3	1 461.6	138.4	220.9 8 254.2
1970	6 602.2	1 481.2	157.4	256.6 8 497.3
1971	6 967.2	1 536.6	198.9	299.5 9 022.1
1972	7 407.3	1 682.0	248.5	143.7 9 481.4
1973	7 866.1	1 843.9	287.8	160.6 10 158.4
1974	8 328.4	2 026.2	320.0	180.0 10 854.6
1975	8 692.8	2 177.4	326.6	81.7 11 278.5
1976	9 016.3	2 316.8	341.3	57.5 11 786.3
1977	9 509.2	2 547.0	372.0	119.0 12 547.2
1978	9 745.0	2 770.8	341.4	118.3 12 975.4
1979	9 985.1	2 907.1	332.9	113.5 13 338.7
1980	10 255.5	2 955.3	388.7	117.7 13 717.2
1981	10 199.4	3 192.2	406.9	53.0 13 851.5
1982	10 530.3	3 293.5	431.4	55.5 14 310.7

NOTE:

- 1) The statistics on road vehicle registrations shown in this table have been obtained from the twelve provincial and territorial governments across the nation, each of whom has its own distinct registrations system. Consequently, the content and comparability of these statistics varies considerably between the provinces and territories and over time. These differences are described in some detail in the Statistics Canada publication Road Motor Vehicles - Registrations, Catalogue number 53-219.
- 2) Figures not complete as certain classes of trucks and/or buses have been included under passenger automobiles by some provinces. Also, a small number of automobiles used as delivery vehicles have been licenced as trucks in one province for the years 1961 to 1967.
- 3) Includes farm tractors (where registered) ambulances, fire trucks, registered mopeds (beginning in 1975), etc.

SOURCE:

Road Motor Vehicle - Registrations, Catalogue 53-219,
Statistics Canada, Ottawa, Ontario.



Highways and Roads

Figure R1 1 — Motor Vehicle Registration, Canada, 1962–1982

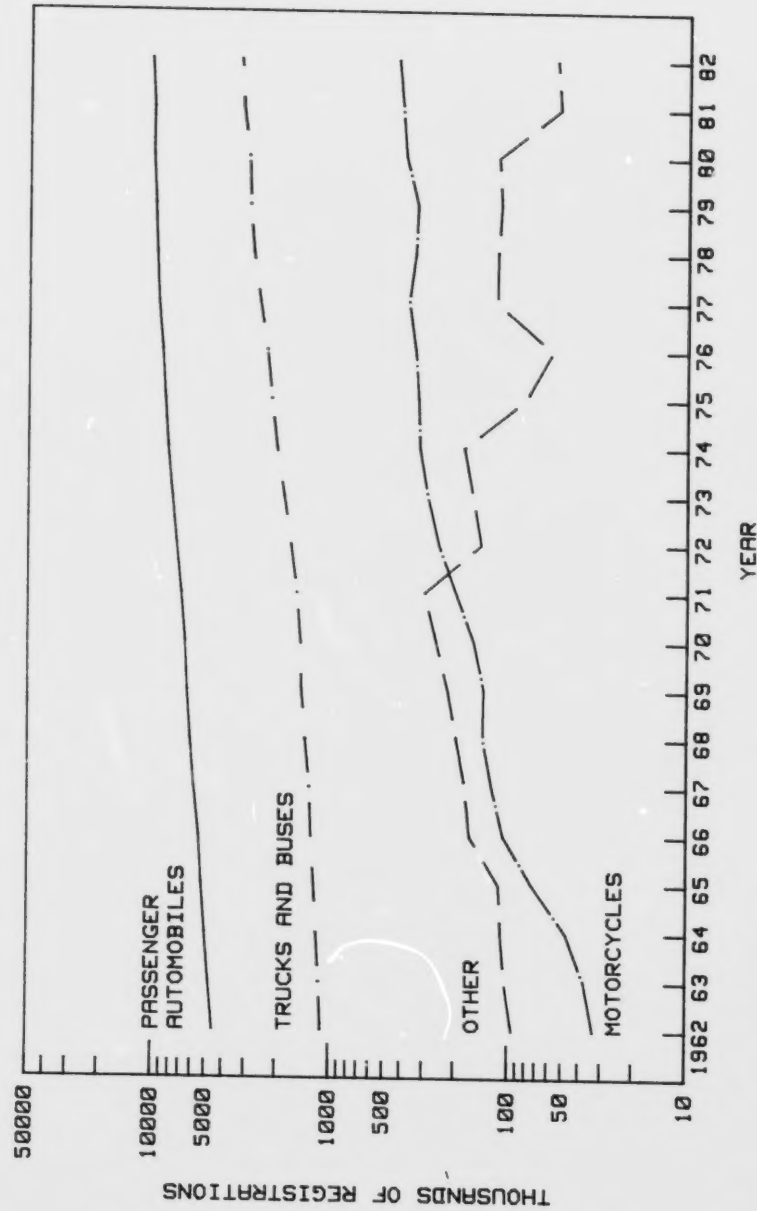


Table RI 2 - Ontario Motor Vehicle Registration, 1960-1982

YEAR	PASSENGER	TRAILER	TRUCK/ TRACTOR	FARM VEHICLE	RUS	SCHOOL BUS	DUAL PURPOSE*	MOTORCYCLE	NOPE	SHOW VEHICLE	TOTAL
1960	1 640 346	136 514	314 391	*	5 899+		92 587	9 361			2 198 998
1961	1 636 149	144 180	316 669	*	6 213+		108 295	8 944			2 270 450
1962	1 718 413	154 404	322 888	*	6 818+		121 706	7 323			2 331 552
1963	1 790 788	159 131	326 556	*	7 145+		136 090	7 741			2 427 451
1964	1 877 443	161 977	334 759	*	7 598+		151 085	10 334			2 543 196
1965	1 976 625	167 027	344 519	*	8 395+		163 071	24 070			2 683 707
1966	2 063 754	182 111	366 719	*	9 307+		171 735	37 959			2 825 585
1967	2 134 287	198 949	370 783	*	10 298+		178 057	42 941			2 935 315
1968	2 237 298	224 702	395 242	*	11 604+		187 618	47 826			3 094 290
1969	2 308 743	244 935	400 156	*	12 040+		192 975	39 875			3 198 724
1970	2 376 435	261 453	413 241	*	13 066+		199 606	45 251			3 309 052
1971	2 497 307	380 054	418 206	*	13 611+		215 747	52 826			3 589 916
1972	2 611 998	420 682	452 331	*	14 305+		236 937	57 727			3 807 126
1973	3 002 091	451 346	504 891	*	14 197+		***	62 200	199 441	4 234 166	
1974	3 111 367	475 126	548 846	*	15 476+		***	67 132	202 677	4 420 624	
1975	3 224 621	500 156	597 685	*	16 882+		***	72 493	205 965	4 617 802	
1976	3 341 845	526 436	651 409	*	12 495	5 921	***	78 284	12 390	209 304	4 838 084
1977	3 490 477	553 008	746 893	*	13 982	6 174	***	82 934	11 825	199 914	5 105 212
1978	3 597 371	573 099	738 836	32 187	13 220	6 594	***	86 377	9 511	199 502	5 256 692
1979	3 691 971	587 949	801 140	33 216	14 723	6 800	***	90 957	8 052	195 184	5 430 072
1980	3 708 694	520 602	778 351	34 539	14 642	5 978	*	98 475	7 141	N/A	5 168 422
1981	3 831 024	105 428	1 053 798	36 057	14 955	7 531	***	107 227	7 175	170 976	5 334 171
1982	3 942 743	65 754	1 031 320	36 215	15 053	8 774	***	119 642	6 448	169 385	5 295 334

NOTE: *** Included With Passengers

* Station Wagons and Similar Vehicles

+ Includes School Buses

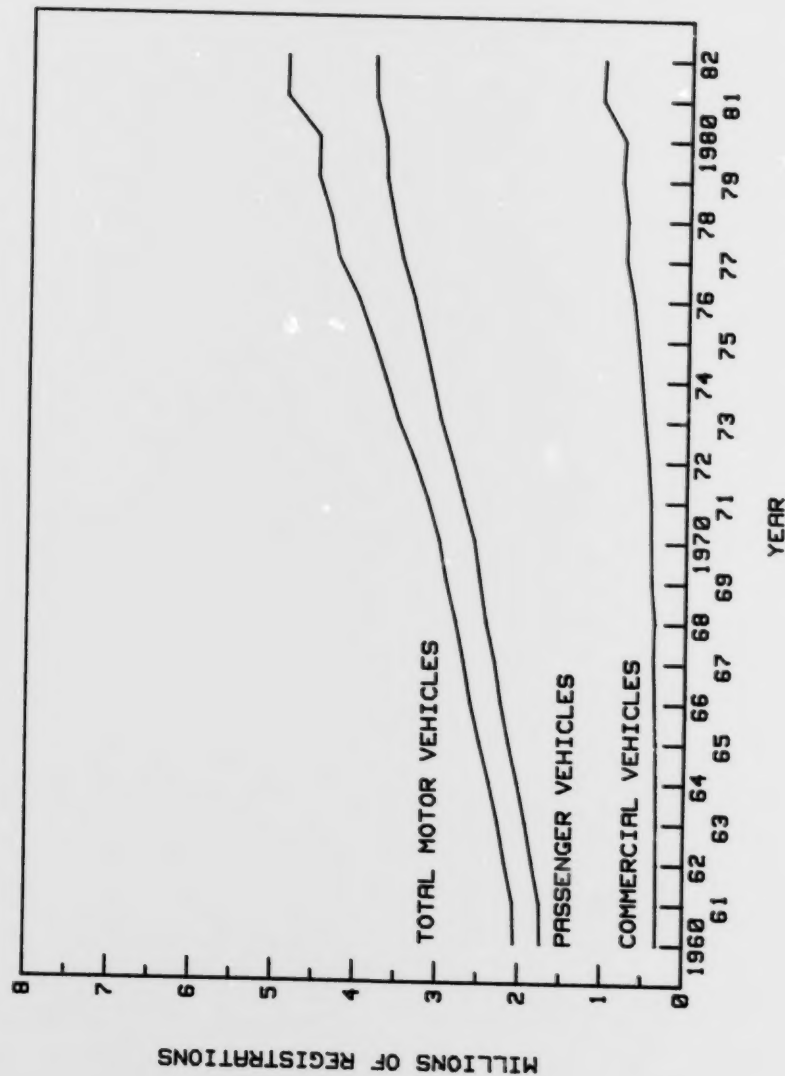
* Included With Trucks

** The 1980 revised and verified figures were obtained from Mr. D.S. Godfrey, Manager, Vehicle Licensing and Control (June 8, 1982)

SOURCE: Ontario Vehicle Statistics, 1982, Licensing and Control Branch, Ministry of Transportation and Communications, August 1983 (with the exception of 1980 figures - see NOTE ** above).

Figure RI 2 - Ontario Motor Vehicle Registration, 1960-1982

Highways
and Roads





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Table RI 3A - Ontario Driver Population, 1970-1975

LICENCED DRIVERS	No.	1970	%	No.	1971	%	No.	1972	%	No.	1973	%	No.	1974	%	No.	1975	%
Male, Age Group																		
16-19	149 445	4.37	155 836	4.37	159 808	4.33	168 477	4.39	175 652	4.42	185 320	4.45						
20-24	298 286	8.71	302 538	8.49	302 776	8.21	308 731	8.04	313 891	8.71	325 139	7.81						
25-34	492 597	14.39	518 569	14.55	547 447	14.84	572 580	14.90	592 906	14.39	620 515	14.91						
35-44	451 625	13.19	454 697	12.76	455 632	12.35	460 651	11.99	462 667	13.19	469 752	11.29						
45-54	378 759	11.07	389 221	10.92	401 734	10.89	413 458	10.76	422 903	11.07	432 340	10.39						
55-64	257 514	7.52	265 225	7.44	270 433	7.33	276 779	7.20	282 458	7.52	295 433	7.10						
65 & over	157 780	4.61	164 543	4.62	170 952	4.63	179 974	4.68	188 204	4.61	202 114	4.86						
65-79																		
80-89																		
90+																		
Total	2 186 006	63.86	2 250 629	63.15	2 308 782	62.58	2 380 650	61.96	2 438 681	61.38	2 530 613	60.82						
Female, Age Group																		
16-19	75 703	2.21	82 503	2.32	84 278	2.29	90 499	2.36	96 294	2.42	104 790	2.52						
20-24	177 861	5.20	186 361	5.23	190 882	5.18	200 909	5.23	210 743	5.30	225 447	5.42						
25-34	314 921	9.20	341 324	9.58	370 455	10.04	398 363	10.37	422 467	10.63	452 279	10.87						
35-44	272 930	7.97	281 444	7.90	288 565	7.82	299 020	7.78	307 764	7.75	320 027	7.69						
45-54	221 122	6.46	232 160	6.52	243 473	6.61	254 337	6.62	264 060	6.65	273 246	6.57						
55-64	123 114	3.60	132 100	3.71	139 974	3.79	148 870	3.88	157 531	3.97	169 927	4.08						
65 & over	51 235	1.50	56 670	1.59	62 132	1.69	68 980	1.80	75 440	1.90	84 294	2.03						
65-79																		
80-89																		
90+																		
Total	1 236 886	36.14	1 312 568	36.85	1 379 759	37.42	1 460 978	38.04	1 534 299	38.62	1 630 010							
COMBINED TOTAL (Males & Females)																		
16-19	225 148	6.58	238 339	6.69	244 086	6.62	258 976	6.74	271 946	6.84	290 110	6.97						
20-24	476 147	13.91	488 899	13.72	493 658	13.38	509 640	13.27	524 634	13.21	550 586	13.23						
25-34	807 518	23.59	859 893	24.13	917 902	24.89	970 943	25.28	1 015 373	25.56	1 072 794	25.79						
35-44	724 555	21.17	736 141	20.66	744 197	20.17	759 671	19.77	770 431	19.39	789 779	18.98						
45-54	599 881	17.52	621 381	17.44	645 207	17.49	667 795	17.38	686 963	17.29	705 586	16.96						
55-64	380 628	11.12	397 325	11.15	410 407	11.13	425 649	11.08	439 989	11.07	465 360	11.18						
65 & over	209 015	6.11	221 219	6.21	233 084	6.32	242 954	6.48	263 644	6.64	286 408	6.89						
65-79																		
80-89																		
90+																		

NOTE: Data for years 1976 - 1982 are continued on Table RI 3B

SOURCE: HIGHWAY TRAFFIC COLLISIONS 1970, Statistics Relating to Motor Vehicle Collisions, Ontario Department of Transport.

HIGHWAY TRAFFIC COLLISIONS 1971, 1972, 1973, Statistics Relating to Motor Vehicle Collisions, Ontario Ministry of Transportation and Communications.

MOTOR VEHICLE COLLISION FACTS 1974, Ontario Ministry of Transportation and Communications.

MOTOR VEHICLE ACCIDENT FACTS 1975, Ontario Ministry of Transportation and Communications.

Figure RI 3A and B -- Ontario Driver Population, 1970-1982

**Highways
and Roads**

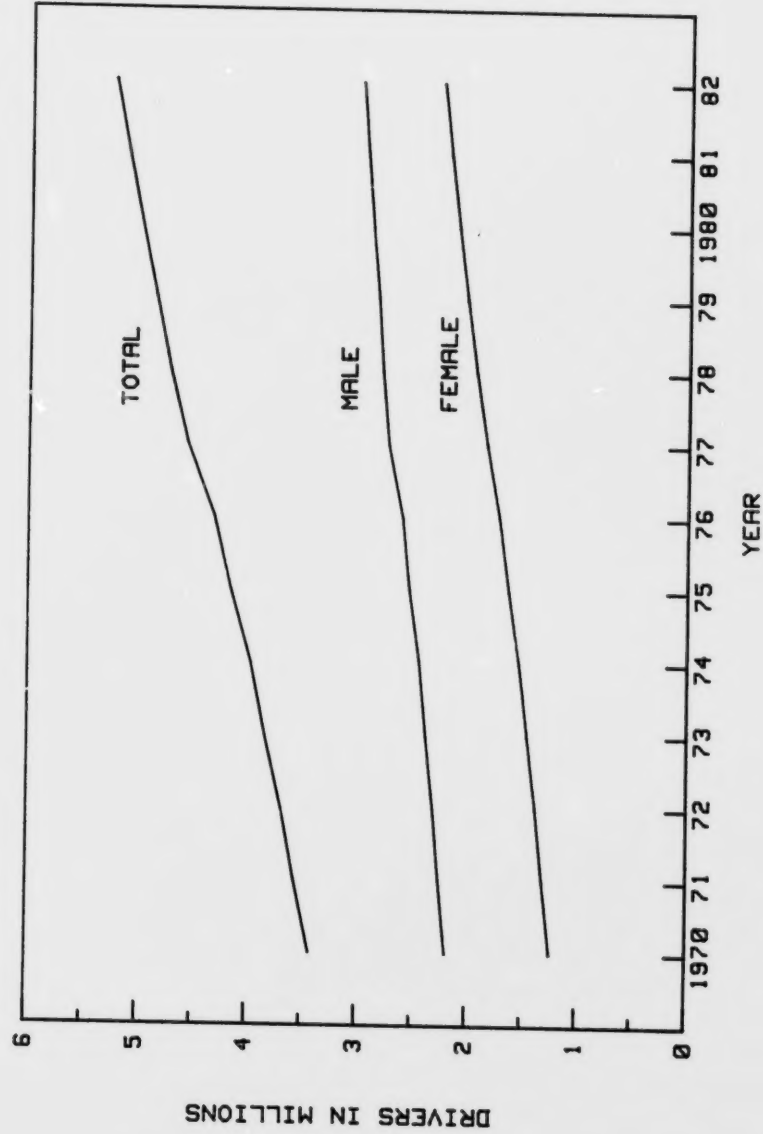
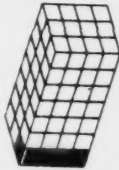
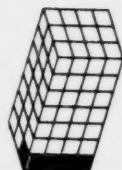




Table RI 3B - Ontario Driver Population, 1976-1982

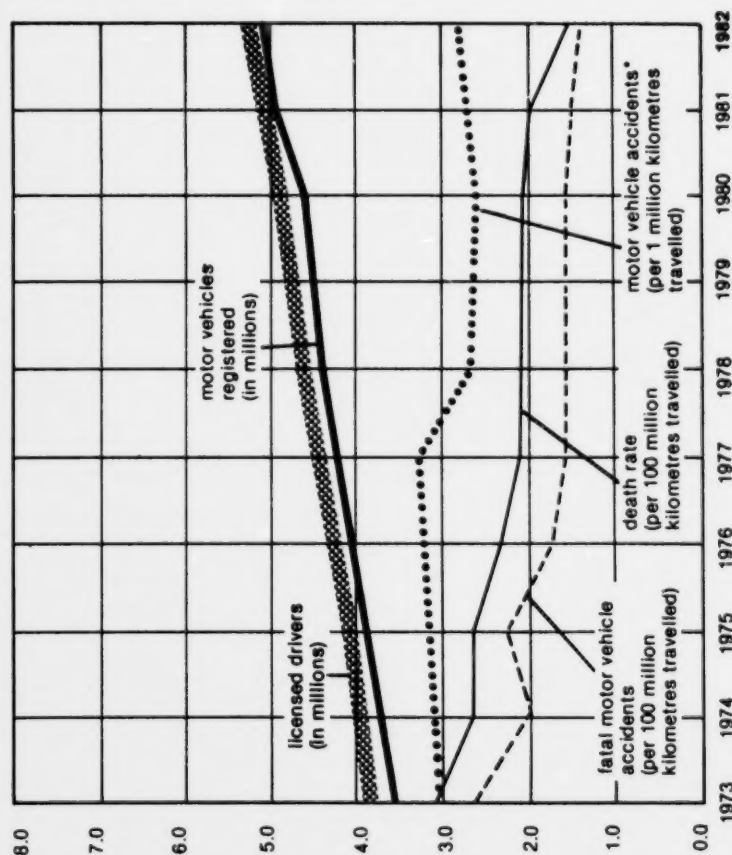
1976			1977			1978			1979			1980			1981			1982										
LICENSED DRIVERS			No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%								
Male, Age Group			LICENSED DRIVERS																									
16-19	191	291	4.43	207	429	4.35	205	618	4.35	214	435	4.41	20	941	.42	23	408	.46	21	545	.41							
20-24	333	602	7.72	349	679	7.56	357	699	7.56	359	713	7.39	17	53	480	1.07	53	981	1.05	48	726	.93						
25-34	640	940	14.84	673	735	14.56	687	801	14.56	694	861	14.30	18	64	696	1.28	64	931	1.27	63	326	1.21						
35-44	475	511	11.02	493	604	10.75	507	783	10.75	518	778	10.68	19	69	616	1.39	69	945	1.37	70	041	1.33						
45-54	437	668	10.15	448	942	9.58	452	631	9.58	452	945	9.32	20	72	645	1.45	76	677	1.42	73	262	1.40						
55-64	307	952	7.14	321	964	7.06	332	906	11.93	340	082	7.00	21	24	260	488	5.82	295	017	5.76	300	373	5.72					
65 & over	211	352	4.90	234	000	5.13	229	097	4.85	237	157	4.88	25	34	707	508	14.17	70	424	13.81	71	582	13.56					
65-79													35	44	531	200	10.64	551	445	10.76	579	418	11.04					
80-89													45	54	465	744	9.13	456	651	8.91	457	446	8.72					
90+													55	64	353	144	7.07	363	359	7.09	375	473	7.16					
													65	74	204	514	4.10	211	492	4.13	216	667	4.13					
													75	and Over	65	947	1.32	68	706	1.34	72	057	1.37					
Total	2	597	495	60.20	2	728	663	59.80	2	789	883	59.03	2	834	439	58.33	2	889	323	57.86	2	939	036	57.37	2	989	916	56.98
Female, Age Group			LICENSED DRIVERS																									
16-19	112	405	2.60	119	592	2.62	128	311	2.72	138	182	2.84	16	9	877	.20	11	989	.23	11	608	.22						
20-24	238	956	5.54	255	413	5.60	268	275	5.68	277	241	5.71	17	33	354	.67	34	697	.68	32	165	.61						
25-34	479	511	11.11	514	935	11.29	543	953	11.51	569	167	11.72	18	43	839	.88	44	829	.87	44	015	.84						
35-44	333	382	7.72	353	043	7.74	375	156	7.94	393	741	8.10	19	49	874	1.00	50	722	.99	50	710	.97						
45-54	279	884	6.48	290	305	6.36	296	719	6.28	302	146	6.22	20	53	922	1.08	54	643	1.07	54	876	1.04						
55-64	182	765	4.23	195	939	4.29	208	122	4.40	218	949	4.51	21	24	230	750	4.82	236	807	4.82	241	607	4.61					
65 & over	91	524	2.12	105	013	2.30	110	922	2.35	120	106	2.48	25	34	593	230	11.88	608	168	11.83	617	392	11.77					
65-79													35	44	412	340	8.26	439	361	8.58	472	004	9.00					
80-89													45	54	308	624	6.18	315	280	6.15	321	789	6.13					
90+													55	64	231	029	4.62	241	533	4.71	252	668	4.81					
													65	74	112	330	2.25	120	665	2.36	128	045	2.44					
													75	and Over	25	039	0.50	27	457	.54	30	413	.58					
Total	1	718	429	35.80	1	834	240	40.20	1	935	663	40.97	2	102	912	41.67	2	104	141	42.63	2	257	282	43.02				
COMBINED TOTAL (Males & Females)			COMBINED TOTAL (Males & Females)																									
16-19	303	697	7.04	327	021	7.17	333	929	7.07	352	617	7.26	16	30	818	.62	35	397	.69	33	153	.63						
20-24	572	038	13.25	604	822	13.25	625	774	13.24	636	554	13.10	17	86	834	1.74	88	668	1.73	80	881	1.54						
25-34	1	120	151	25.95	118	170	26.04	1	231	944	26.07	1	264	128	26.02	2	16	109	760	2.14	107	341	2.05					
35-44	808	883	18.74	846	727	18.56	882	939	18.68	912	519	18.78	19	107	935	2.16	109	667	2.36	120	751	2.30						
45-54	717	562	16.63	739	247	16.20	749	390	15.86	755	093	15.55	20	126	567	2.53	127	320	2.48	128	138	2.44						
55-64	490	718	11.37	517	903	11.35	541	028	11.45	559	011	11.51	21	24	521	238	10.44	531	824	10.38	541	980	10.33					
65 & over	302	876	7.02	339	013	7.43	340	019	7.20	357	263	7.35	25	34	903	740	18.89	990	806	19.34	1	051	422	20.04				
65-79													35	44	943	540	18.89	990	806	19.34	1	051	422	20.04				
80-89													45	55	764	368	15.31	771	931	15.07	779	235	14.86					
90+													55	64	594	173	11.69	604	992	11.81	628	131	11.97					
													65	74	316	844	6.35	332	157	6.48	344	712	6.57					
													75	and Over	90	985	1.82	95	163	1.88	102	470	1.95					
													UNKNOWN															
GRAND TOTAL	4	315	995	100.00	4	562	903	100.00	4	725	546	100.00	4	866	351	100.00	4	993	531	100.00	5	123	177	100.00	5	247	198	100.00

SOURCE: MOTOR VEHICLE COLLISION FACTS 1974, Ontario Ministry of Transportation and Communications.
 MOTOR VEHICLE ACCIDENT FACTS 1976, 1977, 1978, 1979, 1980, Ontario Ministry of Transportation and Communications.
 ONTARIO MOTOR VEHICLE ACCIDENT FACTS 1981, Safety and Regulation, Transportation Regulation Development Branch, Safety Co-ordination and Development Office, Ontario Ministry of Transportation and Communications.
 ONTARIO MOTOR VEHICLE ACCIDENT FACTS 1982, Safety and Regulation, Transportation Regulation Development Branch, Safety Co-ordination and Development Office, Ontario Ministry of Transportation and Communications.

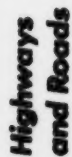


Highways and Roads

Figure RJ 3C — Trends in Motor Vehicle Registrations, Licensed Drivers, Motor Vehicle Accident Rates, Death Rates, Fatal Accident Rates in Ontario, 1973—1982



Note: *On January 1, 1978 the reporting criterion for property damage only accidents was raised from \$200 to \$400.

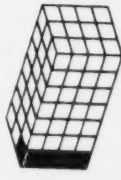


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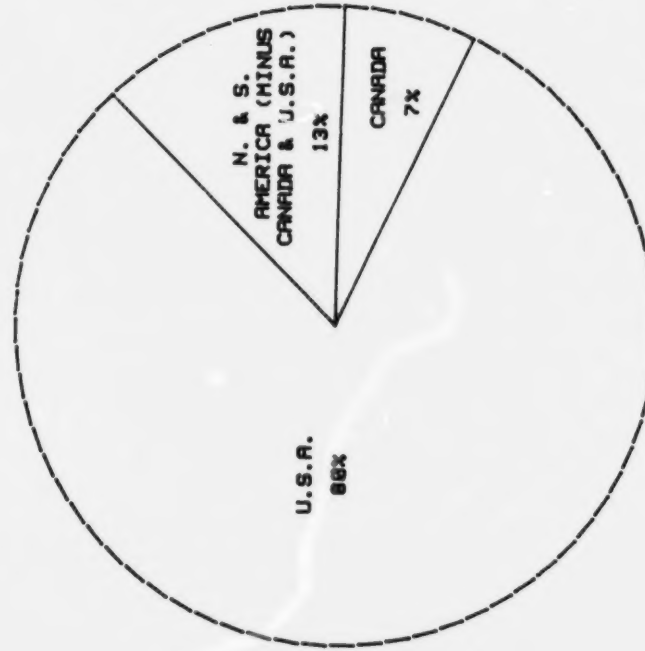
Compiled by the Motor Manufacturers Association of the U.S., Inc., from various sources as shown in HMA Motor Vehicle Facts and Figures '80 and also in HMA Motor Vehicle Facts & Figures '82, Motor Vehicle Manufacturers Association of the United States, Inc., 300 New Center Building, Detroit, Michigan 48202, U.S.A.

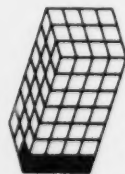
Inventory International

Figure RI 4 - Motor Vehicle Registration (for the Areas Indicated in N. and S. America), 1980



**Highways
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Highways and Roads

Table RI 5 -- Motor Vehicle Registrations and Drivers' Licenses by Provinces, 1978 and 1981

PROVINCE	1978					1981						
	REGISTRATIONS				DRIVERS' LICENCES	REGISTRATIONS				DRIVERS' LICENCES		
	PASSENGER CARS	TRUCK & TRUCK TRACTORS	BUSES	TOTAL	OPERATORS (drivers and chauffeurs)	TEMPORARY PERMITS (instruction)	PASSENGER CARS	TRUCK & TRUCK TRACTORS	BUSES	TOTAL	OPERATORS (drivers and chauffeurs)	TEMPORARY PERMITS (instruction)
Newfoundland	132 449	45 362	1 195	179 006	247 110	10 073	141 607	62 311	-	203 918	252 628	-
Prince Edward Island	46 413	16 887	424	63 724	63 000	4 147	48 564	17 402	424	66 390	27 536	3 536
Nova Scotia	284 559	108 913	961	394 433	437 920	18 691	350 407	143 018	1 447	494 872	485 446	16 238
New Brunswick	243 301	76 713	1 414	321 428	342 188	29 095	251 511	91 189	495	343 195	370 506	25 688
Quebec	2 449 668	372 346	16 994	2 839 008	3 242 066	213 526	2 378 851	320 815	16 944	2 716 610	3 413 970	145 000
ONTARIO	3 597 371	783 032	19 814	4 400 217	4 725 546	327 328	3 831 058	1 089 855	22 486	4 943 399	5 123 177	-
Manitoba	445 546	166 041	349	611 936	552 078	-	460 501	184 338	148	644 987	572 095	-
Saskatchewan	395 089	306 712	5 180	706 981	560 972	-	391 743	282 646	4 655	679 044	588 049	34 133
Alberta	960 284	405 679	6 566	1 372 529	1 397 401	-	1 216 340	469 432	7 506	1 693 278	1 608 479	97 476
British Columbia*	1 190 314	436 147	69	1 626 530	1 799 097	849	1 115 959	456 206	-	1 572 165	2 031 393	-
Yukon							6 702	10 837	-	17 539	-	-
Northwest Territories							6 145	9 988	105	16 188	17 999	1 138
TOTAL	9 744 994	2 717 832	52 966	12 515 792	13 367 378	603 709	10 199 388	3 137 987	54 210	13 391 585	4 486 278	323 209

NOTE: *Includes Yukon and Northwest Territories

SOURCE: Road Motor Vehicles: Registrations, Catalogue 53-219, Annual, Statistics Canada, Ottawa, Ontario, 1978 and 1981.

Figure R1 5 - Motor Vehicle Registrations for Ontario and Canada, 1978 and 1981



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and Roads

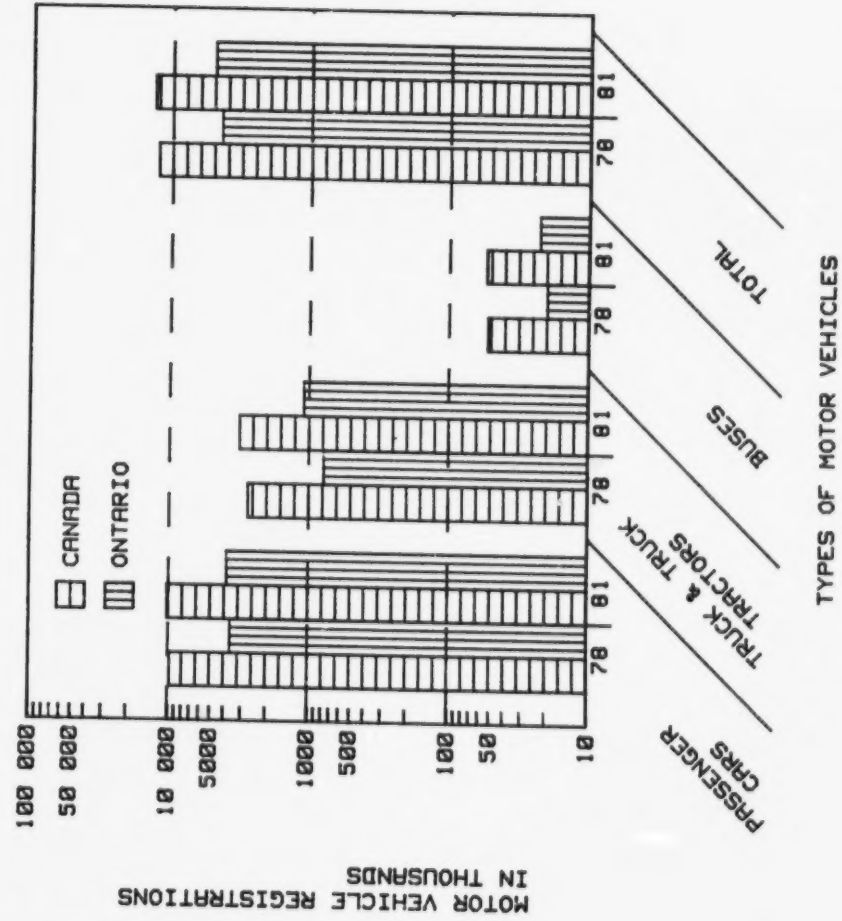


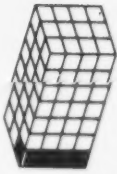


Table RI 6 — Province of Ontario, Density of Motor Vehicle Ownership, 1960—1982

-YEAR-	TOTAL POPULATION PER MOTOR VEHICLE	MOTOR VEHICLES PER 100 PERSONS (TOTAL POPULATION)
1960	2.79	35.90
1961	2.75	36.41
1962	2.72	36.71
1963	2.67	37.45
1964	2.61	38.35
1965	2.52	39.54
1966	2.46	40.59
1967	2.43	41.19
1968	2.35	42.61
1969	2.31	43.31
1970	2.28	43.82
1971	2.15	46.60
1972	2.05	48.75
1973	1.87	53.54
1974	1.82	54.89
1975	1.77	56.51
1976	1.71	58.54
1977	1.64	61.10
1978	1.61	62.25
1979	1.57	63.88
1980	1.66	60.28
1981	1.62	61.85
1982	1.64	60.87

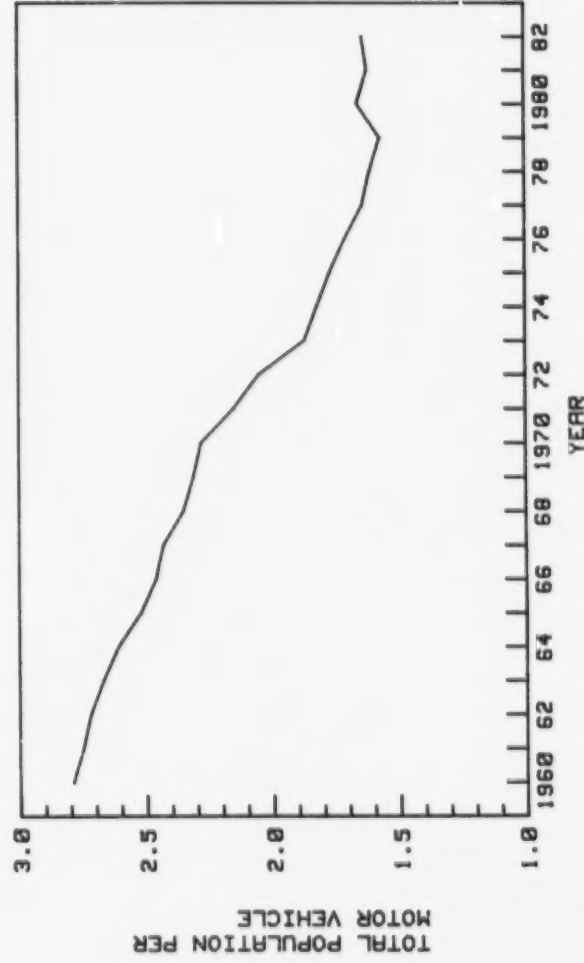
SOURCE:

- Population by Province, Canada 1955- 1981, Ontario Statistics 1982, Ontario Ministry of Treasury and Economics, pp. 44-45.
- Estimates of Population for Canada and the Provinces, June 1, 1982, Catalogue 91-201 Annual, Statistics Canada, November 1982.
- Ontario Vehicle Registration, etc.; Licensing and Control Branch, MTC, 1979.
- Ontario Vehicle Statistics 1982, Licensing and Control Branch, MTC.



Highways and Roads

Figure RI 6 -- Province of Ontario, Density of Motor Vehicle Ownership, 1960-1982



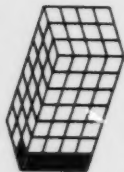


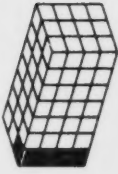
Table RI 7 - New Motor Vehicle Sales by Province, 1978-1982

	PASSENGER CARS				TOTAL, NEW MOTOR VEHICLES					
	1978	1979	1980	1981	1982	1978	1979	1980	1981	1982
Newfoundland	16 549	16 385	16 171	13 775	12 491	24 972	25 796	24 352	19 565	17 355
Prince Edward Island	4 832	4 840	3 971	3 619	2 898	6 528	6 553	5 388	4 650	3 755
Nova Scotia	35 172	33 868	31 743	28 978	25 235	47 992	46 331	42 046	37 202	32 563
New Brunswick	26 216	26 504	23 937	20 736	17 078	37 350	37 992	34 086	28 309	23 134
Quebec	269 447	297 820	264 133	248 665	194 772	332 197	365 934	315 344	286 633	224 122
ONTARIO	391 408	380 430	335 815	338 076	275 920	507 328	493 910	420 831	419 495	336 190
Manitoba	38 580	33 587	32 791	30 367	26 425	58 691	54 233	49 879	43 345	36 650
Saskatchewan	31 752	29 495	29 417	28 807	24 899	55 132	55 090	51 978	48 902	41 474
Alberta	84 320	88 447	91 382	90 043	67 234	155 168	167 935	165 848	153 846	111 603
British Columbia*	90 614	91 632	102 700	101 129	66 529	141 186	142 640	154 055	148 935	94 053
TOTAL	988 890	1 003 008	932 060	904 195	713 481	1 366 544	1 396 414	1 263 807	1 190 882	920 902

NOTE: *For reasons of confidentiality, the Yukon and Northwest Territories are included with British Columbia.

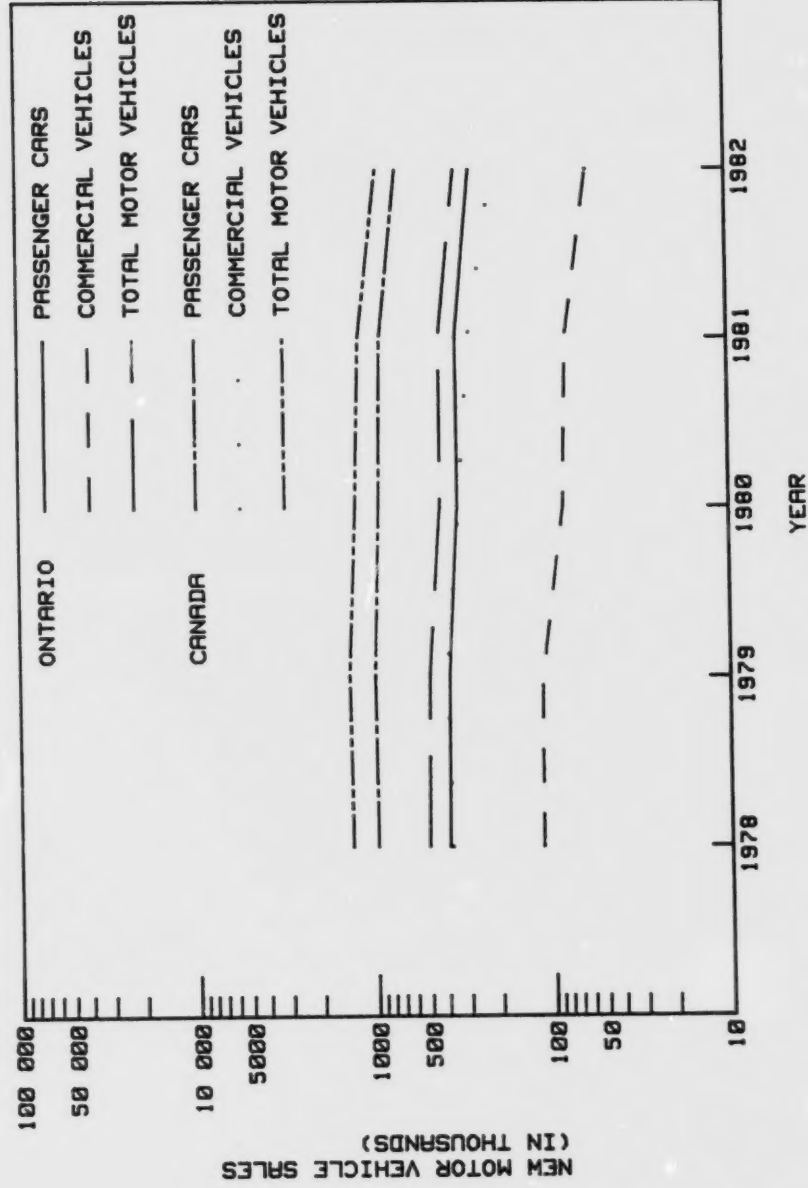
SOURCE: New Motor Vehicle Sales, Catalogue 63-007, Statistics Canada, Ottawa, Ontario, December 1979 and December 1982.

	COMMERCIAL VEHICLES					1982
	1978	1979	1980	1981		
Newfoundland	8 423	9 411	8 181	5 790	4 867	
Prince Edward Island	1 696	1 713	1 417	1 031	857	
Nova Scotia	12 820	12 463	10 303	8 224	7 328	
New Brunswick	11 134	11 483	10 149	7 573	6 056	
Quebec	62 750	68 114	51 211	37 968	29 350	
ONTARIO	115 920	113 480	85 016	81 419	60 270	
Manitoba	20 111	20 646	17 088	12 978	10 225	
Saskatchewan	23 380	25 595	22 561	20 095	16 575	
Alberta	79 488	155 168	74 466	63 803	44 369	
British Columbia*	51 008	141 186	51 355	47 806	27 524	
TOTAL	377 654	393 406	331 747	286 687	207 421	



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Figure RI 7 — New Motor Vehicle Sales, for Ontario and Canada, 1978-1982



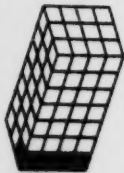


Table RI 8 - Form of Ownership, Motor Carrier Classes I, II and III, 1978 and 1980

	CANADA		ONTARIO		PERCENTAGE ONTARIO	
	1978	1980	1978	1980	1978	1980
Form of Ownership:						
Sole owner	726	919	196	220	27.0%	23.9%
Partnership	178	184	50	50	28.1%	27.2%
Incorporated	2 673	3 203	739	847	27.6%	26.4%
Co-operative	6	10	2	5	33.3%	50.0%
Other	6	4	1	-	16.7%	-
TOTAL	3 589	4 320	988	1 042	27.5%	24.1%

NOTE:

Classes of Motor Carriers

Class I - Establishments which earned gross annual operating revenue of \$2 million or more in 1977 and 1979.

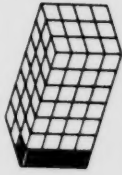
Class II - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1977 and 1979.

Class III - Establishments which earned gross annual operating revenues from \$100 000 to \$499,999 in 1977 and 1979.

SOURCE:

MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1978, Catalogue 53-222 Annual, Statistics Canada, Ottawa, Ontario, June 1980, p. 48.

MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1980, Catalogue 53-222 Annual, Statistics Canada, Ottawa, Ontario, August 1982, p. 48.



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Figure R1 8 - Form of Ownership, Motor Carrier Classes I, II and III, 1978 and 1980

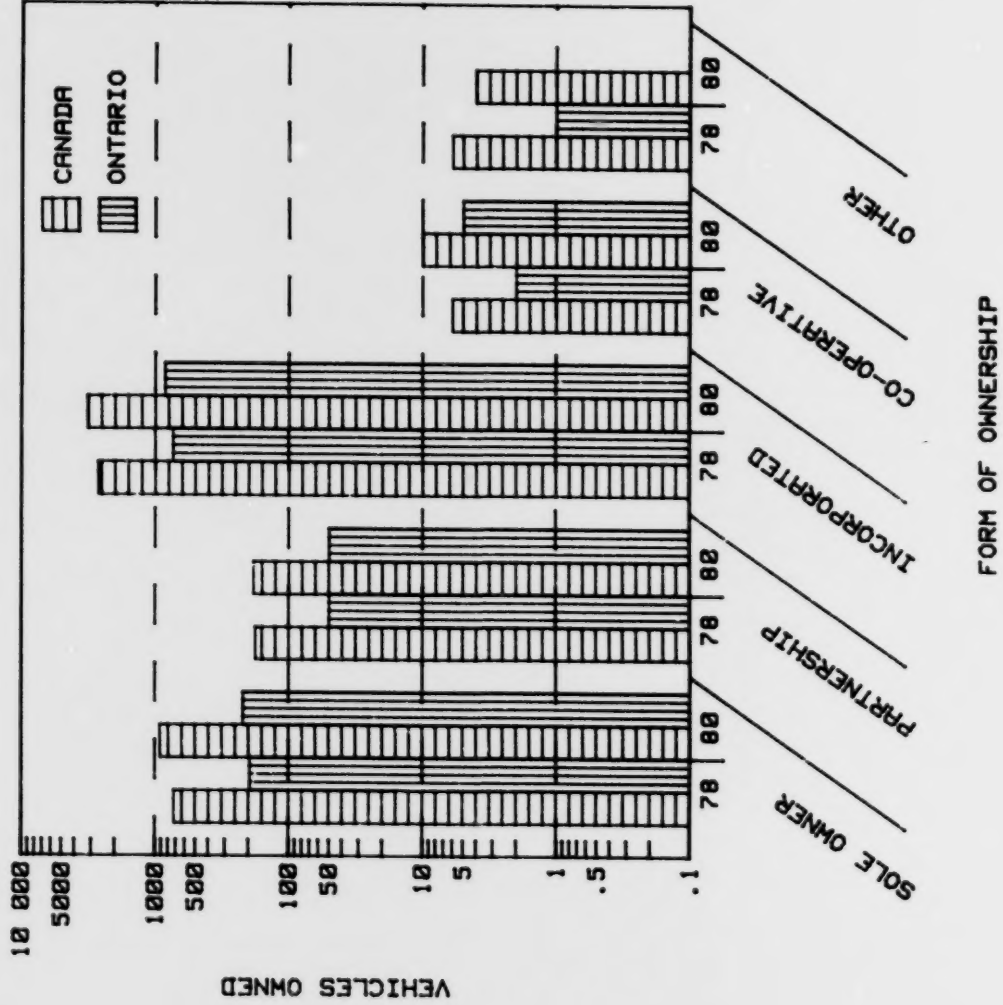


Table RI 9 - Number of Carriers in Canada and Ontario, of Domicile and of Operation of Motor Carrier Classes I, II and III, 1978 and 1980

	CANADA		ONTARIO		PERCENTAGE		ONTARIO	
	1978	1980	1978	1980	1978		1978	1980
CLASS I:								
Domiciled	272	372	106	130	39.0%		34.9%	
In operation	792	1 064	151	188	19.1%		17.7%	
CLASS II:								
Domiciled	657	864	195	243	29.7%		28.1%	
In operation	1 254	1 615	248	325	19.8%		20.1%	
CLASS III:								
Domiciled	2 660	3 084	687	749	25.8%		24.3%	
In operation	3 617	4 217	773	840	21.4%		19.9%	
TOTAL								
Domiciled	3 589	4 320	988	1 122	27.5%		26.0%	
In operation	5 663	6 896	1 172	1 353	20.7%		19.6%	

Classes of Motor Carriers:

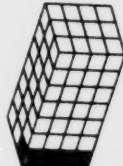
Class I - Establishments which earned gross annual operating revenues of \$2 million or more in 1977 and 1979.

Class II - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1977 and 1979.

Class III - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1977 and 1979.

SOURCE: MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1978, Catalogue 53-222 Annual, Statistics Canada, Ottawa, Ontario, June 1980, p. 48.

MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1980, Catalogue 53-222 Annual, Statistics Canada, Ottawa, Ontario, August 1982, p. 48.



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Figure RI 9 - Number of Carriers for Ontario and Canada in Motor Carrier Classes, I, II and III, 1978 and 1980

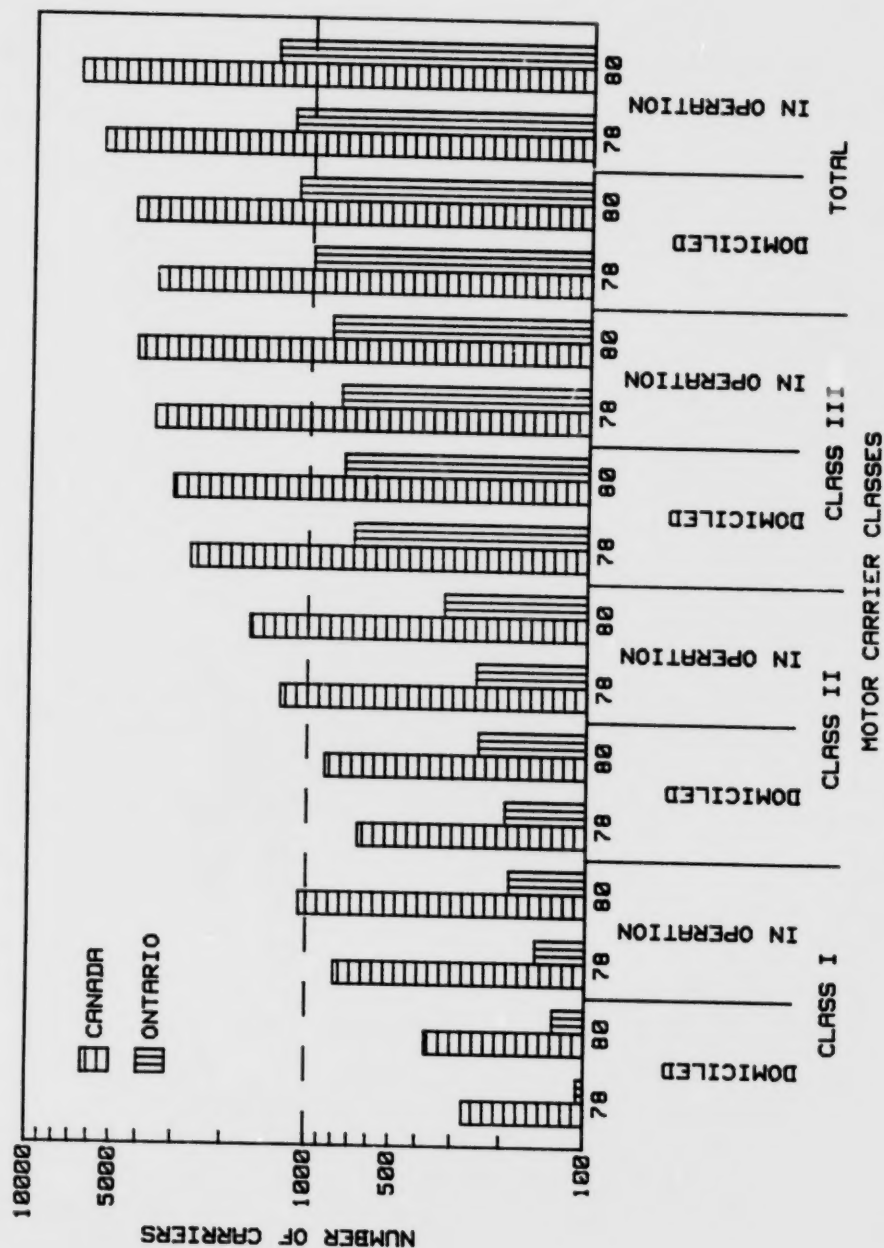




Table RI 10 - Revenue Equipment Operated, Motor Carrier Classes I, II and III, 1978 and 1980

	CANADA*		ONTARIO		PERCENTAGE ONTARIO	
	1978	1980	1978	1980	1978	1980
STRAIGHT TRUCKS						
Owned	20 863	20 936	6 975	6 786	33.4%	32.4%
Leased	854	895	376	404	44.0%	45.1%
TRUCK TRACTORS						
Owned	30 400	32 338	12 285	12 854	40.4%	39.7%
Leased	2 952	3 244	1 714	1 478	58.1%	45.6%
SEMI-TRAILERS						
Owned	62 145	69 939	26 014	28 357	41.8%	40.5%
Leased	7 298	7 998	4 496	4 649	61.6%	58.1%
FULL TRAILERS						
Owned	2 458	1 577	1 488	415	60.5%	26.3%
Leased	120	104	59	41	49.2%	39.4%
OTHER						
Owned	3 289	4 387	1 379	1 503	41.9%	34.3%
Leased	113	292	74	250	65.5%	85.6%
TOTAL						
Owned	119 155	129 177	48 141	49 915	40.4%	38.6%
Leased	11 337	12 533	6 719	6 822	59.3%	54.4%

NOTE:

*Canada as whole, including Ontario.

Classes of Motor Carriers:

Class I - Establishments which earned gross annual operating revenue of \$2 million or more in 1977 and 1979.

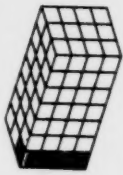
Class II - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1977 and 1979.

Class III - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1977 and 1979.

SOURCE:

MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1978, Catalogue 53-222 Annual, Statistics Canada, Ottawa, Ontario, June 1980, p. 36-37.

MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1980, Catalogue 53-222 Annual, Statistics Canada, Ottawa, Ontario, August 1982, p. 36-37.



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Figure R1 10 - Revenue Equipment Operated, Motor Carrier Classes I, II and III, 1978 and 1980

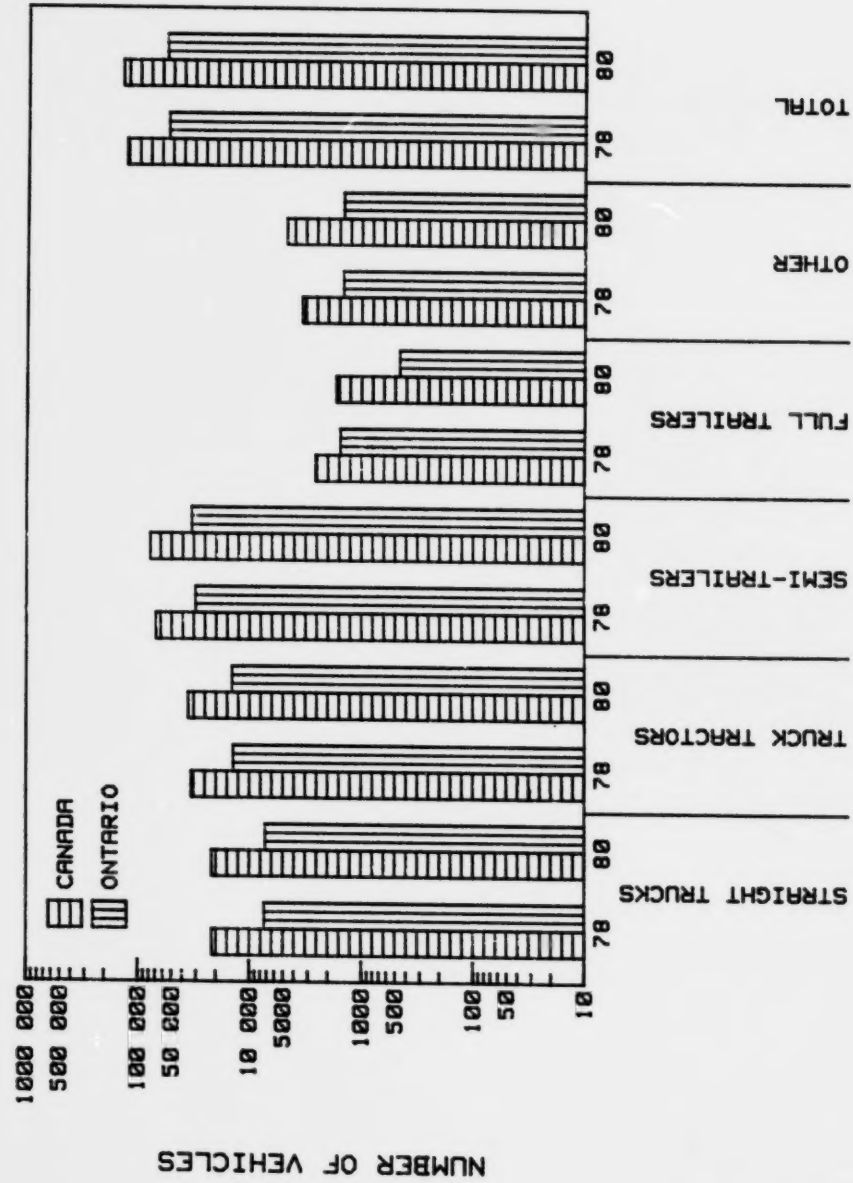


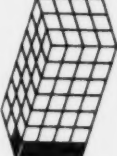


Table RI 11 - Automobile and Garages, Canada and Ontario, 1967-1981¹

	HOUSEHOLDS WITH AUTOMOBILES					HOUSEHOLDS WITH AUTOMOBILES					HOUSEHOLDS WITH AUTOMOBILES				
	TOTAL HOUSEHOLDS	ONE AUTOMOBILE	TWO AUTOMOBILES ³	THREE OR MORE AUTOMOBILES	IN THOUSANDS	TOTAL HOUSEHOLDS	ONE AUTOMOBILE	TWO AUTOMOBILES ³	THREE OR MORE AUTOMOBILES	IN THOUSANDS	TOTAL HOUSEHOLDS	ONE AUTOMOBILE	TWO AUTOMOBILES ³	THREE OR MORE AUTOMOBILES	IN THOUSANDS
1967															
Canada	5 293	3 218	788	-		6 949	3 820	1 393	301		6 949	3 820	1 393	301	
Ontario	1 939	1 201	345	-		2 606	1 431	571	107		2 606	1 431	571	107	
1968															
Canada	5 458	3 333	842	-		7 119	3 883	1 431	302		7 119	3 883	1 431	302	
Ontario	2 003	1 260	370	-		2 666	1 428	584	112		2 666	1 428	584	112	
1969															
Canada	5 616	3 426	895	-		7 320	3 989	1 445	310		7 320	3 989	1 445	310	
Ontario	2 062	1 279	387	-		2 741	1 467	612	117		2 741	1 467	612	117	
1970															
Canada	5 784	3 524	969	-		7 558	4 138	1 443	313		7 558	4 138	1 443	313	
Ontario	2 140	1 307	427	-		2 813	1 515	595	127		2 813	1 515	595	127	
1971															
Canada	5 933	3 530	1 068	-		7 807	4 192	1 653	386		7 807	4 192	1 653	386	
Ontario	2 208	1 324	454	-		2 910	1 513	676	147		2 910	1 513	676	147	
1972															
Canada	6 111	3 592	969	161		8 063	4 322	1 745	376		8 063	4 322	1 745	376	
Ontario	2 275	1 347	412	66		2 987	1 580	705	147		2 987	1 580	705	147	
1973															
Canada	6 301	3 613	1 099	198		8 063	4 322	1 745	376		8 063	4 322	1 745	376	
Ontario	2 354	1 351	471	73		2 987	1 580	705	147		2 987	1 580	705	147	
1974															
Canada	6 513	3 674	1 179	225		8 063	4 322	1 745	376		8 063	4 322	1 745	376	
Ontario	2 440	1 372	497	89		2 987	1 580	705	147		2 987	1 580	705	147	
1975															
Canada	6 721	3 756	1 296	248		8 063	4 322	1 745	376		8 063	4 322	1 745	376	
Ontario	2 523	1 406	538	86		2 987	1 580	705	147		2 987	1 580	705	147	

NOTE: 1) For 1973-1975, figures are as of April; all other years, figures are as of May.
2) Excludes carports and communal parking lots in basements of apartment blocks.
3) For 1967-1971, read "Two or More Automobiles".

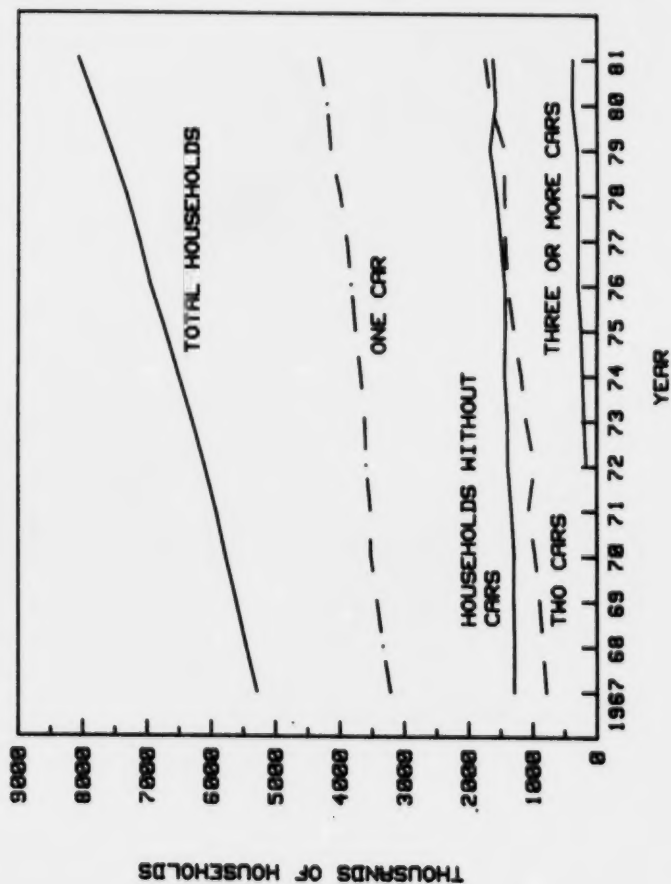
SOURCE: Household Facilities and Equipment, Catalogue 64-202, Statistics Canada, as shown in Ontario Statistics 1980, Ministry of Treasury and Economics, p. 291, Toronto, Ontario.



Highways and Roads

Figure RI 11 — Households in Canada and Ontario with Automobiles, 1967 — 1981

A. CANADA



B. ONTARIO

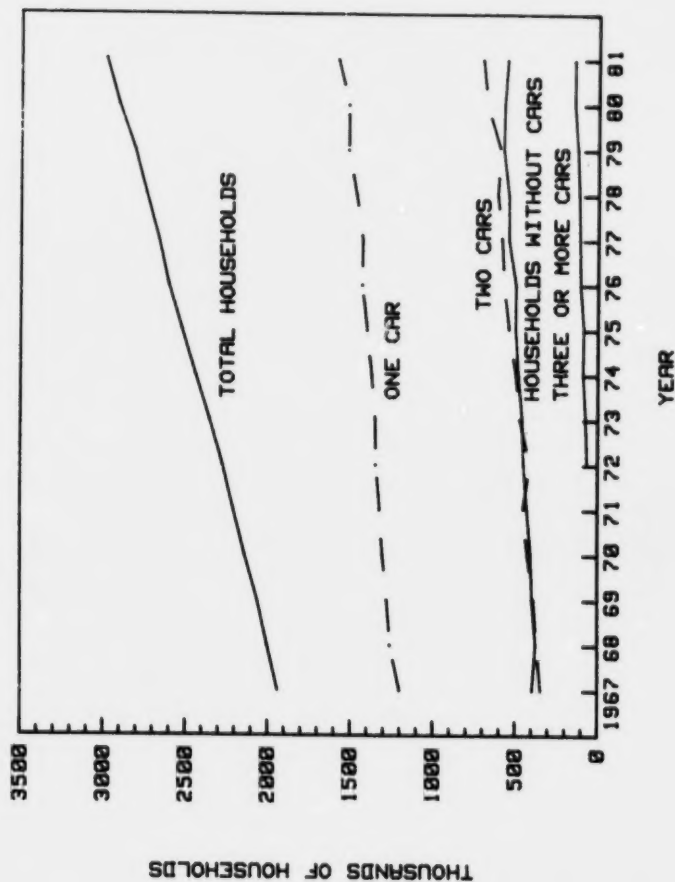
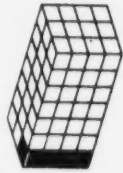




Table RI 12 - Motor Vehicle Manufacturers in Ontario, 1979 and 1980

MANUFACTURING ESTABLISHMENT	LOCATION	EMPLOYMENT SIZE RANGE	
		1979	1980
1/ American Motors (Canada) Limited	Brampton	1000 - 1499	1000 - 1499
2/ Chrysler Canada Limited	Windsor (Pillette Road Plant)	2500 - 4999	1500 - 2499
3/ Chrysler Canada Limited	Windsor	5000 -	2500 - 4999
4/ Ford Motor Company of Canada Limited	Oakville	5000 -	5000 -
5/ Ford Motor Company of Canada Limited	Oakville	2500 - 4999	2500 - 4999
6/ General Motors of Canada Limited	Oshawa L1G 1K7	1500 - 2499	1500 - 2499
7/ General Motors of Canada Limited	Oshawa L1H 7K3	5000 -	5000 -
8/ International Harvester Company of Canada Limited	Chatham	1500 - 2499	1500 - 2499
9/ Mack Canada Incorporated	Islington	500 - 999	200 - 499
10/ Ontario Bus Industries Incorporated	Mississauga	50 - 99	50 - 99

SOURCE: MOTOR VEHICLE MANUFACTURERS, 1979, Catalogue 42-209 Annual, Statistics Canada, Ottawa, Ontario, April 1981.
MOTOR VEHICLE MANUFACTURERS, 1980, Catalogue 42-209 Annual, Statistics Canada, Ottawa, Ontario, March 1982.



Highways and Roads

Figure RI 12 - Employment Size Range by Motor Vehicle Manufacturers in Ontario, 1980

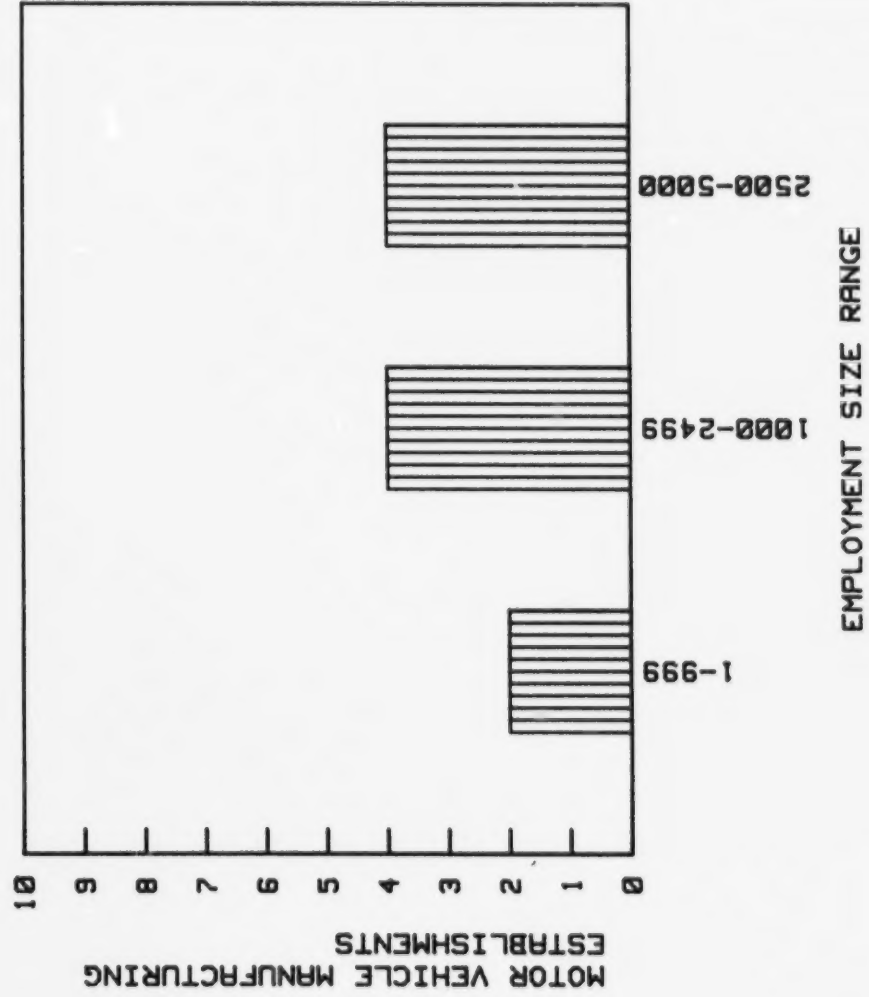
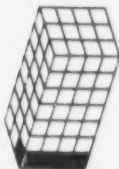


Table RI 13 - Truck Trailers and Related Manufacturing Industry in Ontario, 1981 and 1982

MANUFACTURING ESTABLISHMENT	LOCATION	PRODUCT AND/OR SERVICES	TOTAL EMPLOYEES 1981 1982	MANUFACTURING ESTABLISHMENT	LOCATION	PRODUCT AND/OR SERVICES	TOTAL EMPLOYEES 1981 1982
1 Ashpole Welding Limited	Halton Hills	Trailers, truck bodies, poultry processing equipment, aluminum and stainless steel fabrication.	5 6	11/ GEO. C. DOERB BODY AND TRAILER COMPANY	KITCHENER	Livestock, transport and grain bodies, aluminum vans, parcel delivery vans.	5 5
2 BAERTSOEN MANUFACTURING LIMITED	Aylmer	Farm wagons and other farm equipment, horse trailers and trailers in general, all types of metal fabricating.	4 4	12 FRIENHOF CANADA INCORPORATED	Mississauga	Van trailers (aluminum and steel), tank trailers (aluminum, steel and stainless steel); stake, rack and flats, dump and bodies.	700 198
3 CANADIAN PANELS LIMITED	Stoney Creek	Insulated and other custom metal panels, van trailers, trailer doors.	13 13	13 FINECRAFT VEHICLES LIMITED	Cambridge	Recreational vehicles, wheelchair transportation, mini-bus units, commercial mobile display units, custom vans.	64 25
4 CANNING G.M.C. INCORPORATED - MOBILE TANK INDUSTRIES DIVISION	Agincourt	Petroleum and chemical tanks, trucks and trailers.	30 20	14 HIGHWAY TRAILERS OF CANADA LIMITED (Guthrie Canadian Investments Ltd.)	Mississauga	Highway semi-trailers and vans, platforms, stake and racks, containers and container chassis	205 205
5 CARTRAM MANUFACTURING LIMITED	Oshawa	Car hauling trailers.	15 21	15 HOLLAND EQUIPMENT LIMITED	Norwich	Fifth wheel commercial trailers in vans, flat decks, dumps, stake and rack stock trailers, construction type haulers, recreational trailer frames, light and medium duty landing gear, mini fifth wheels, brackets, king-pins and king-pin boxes, axles.	27 30
6 CENTRAL WELDERS AND FABRICATORS (ROONEY) LIMITED	Ridgway	Steel fabricating - bulk feed bins, trailers, conveyors, food processing equipment, weigh hoppers, sewage equipment	33 32	16 HUTCHINSON AUTO BODY (1981)	Downsview	Tank trucks, tank trailers, airport refuelers, hydrant carts, utility bodies.	45
7/ CLARKE TRAILERS	LINDSAY	Horse trailers, stock trailers, commercial and utility trailers.	3 3	HUTCHINSON INDUSTRIES (1981)		Stainless, steel and aluminum tanks (truck and semi-trailer), hose reels, calibration markers.	113
8/ CLARKE'S CUSTOM STEEL FABRICATION LIMITED	LINDSAY	Custom built horse trailers.	3 -	17 IDI-CADD WELDING COMPANY (1976) LIMITED	Hamilton	Steel fabricated truck bodies and trailers.	6
9/ DAVIES TRUCK EQUIPMENT LIMITED	HALTON HILLS (1981)	Trailing axles, fifth wheel couplers, truck bodies, commercial logging, pole, hopper dump, semi-dump, drop deck and platform trailers, suspensions, axles, all trailer parts.	20 -	18 INTRAMS-CORPORATION LIMITED (HEADQUARTER TRAILER AND BODY DIVISION)	Mississauga	Aluminum and stainless steel transport trailers.	95
10/ DENVISH METAL INDUSTRIES LIMITED, CANADIAN CRYOGAMIC ENTERPRISES DIVISION	REXDALE (1983)	Trailers, trucks and trailer parts.	- 10	19 J. AND J. TRAILERS MANUFACTURING AND SALES LIMITED	Norham	Trailers.	3 3
	MISSISSAUGA	Cargo heaters - non-mount catalytic; hospital, hotel and restaurant equipment, trailers, semi-trailers, vans, tanks, floats; cryogenic equipment, custom manufacturing of all types including design and consultation.	15 15				



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Table RI 13 - Truck Trailers and Related Manufacturing Industry in Ontario, 1981 and 1982 (Continued)

MANUFACTURING ESTABLISHMENT	LOCATION	PRODUCT AND/OR SERVICES	TOTAL EMPLOYEES 1981	TOTAL EMPLOYEES 1982	MANUFACTURING ESTABLISHMENT	LOCATION	PRODUCT AND/OR SERVICES	TOTAL EMPLOYEES 1981	TOTAL EMPLOYEES 1982
20 KING TRUCK ENGINEERING LIMITED	Woodslock	Commercial trailers and equipment, logging trailers, tank trailers, loaded machinery trailers, dump trailers, utility trailers, pole and cable reel trailers, utility bodies, hydraulic pole-hole diggers and derricks.	278	278	32 RIEFINGER AND SCHUBERTS LIMITED (1981) RIEFINGER TANKERS LTD. (1983)	Markham	Stainless steel bulk milk tanks and trailers, chemical stainless steel tanks.	9	9
21 KODIAK TRAILERS LIMITED	Orangeville	Semi-dump trailers (commercial), bottom dump semi-trailers, platform semi- trailers, dump truck bodies, integrally stiffened aluminum panels.	120	-	33 ROUMASTER TRAILER AND EQUIPMENT	Oakville	Platform trailers, drop frame trailers, container chassis.	43	43
22 KRISKO METAL INDUSTRIES LIMITED	Lincoln	Insulation panels, horse trailers, welding.	12	13	34 D. AND C. ROUSSY INDUSTRIES LIMITED	London	Truck bodies and trailers.	30	37
23 LEEMAN'S IRON WORKS LIMITED	Bellefonte	Industrial trailers, tagalong, fifth wheel and utility trailers.	3	2	35 RUNSAM ENTERPRISES LIMITED	Yamaska	Trailers.	8	-
24 LINCO TRAILER LIMITED	Pickering	Industrial trailers.	10	10	36 SUPERIOR CUSTOM TRAILERS LIMITED	Thunder Bay	Logging trailers.	60	39
25 MACGREGOR WELDING LIMITED	Exeter	Trailers and truck bodies.	4	2	37 T. J. WELDING LIMITED	Mount Albert	Industrial trailers and floats, cable reel and pole trailers.	16	16
26 MARTEN MANUFACTURING LIMITED	Havelock	Trailers - commercial, industrial, tilt, single tandem, triple axle, loaded, float, pole, reel and custom.	13	8	38 TEAL MANUFACTURING LIMITED	Windsor	Car carriers, dump bodies, stake bodies and vans.	55	38
27 MEND INDUSTRIES LIMITED	Toronto	Truck refrigeration bodies, moving van trailers, f.r.p. truck and trailers.	75	75	39 THRU-WAY TRAILER CENTRE LIMITED	Mississauga	Transport trailers.	14	15
28 MOUNT DENNIS WELDING LIMITED	Toronto	Industrial and commercial trailers, material handling equipment, sign brackets.	2	3	40 ERIC THYSSEN TRAILERS	Strathroy	Horse, industrial and agricultural trail- ers	5	2
29 PAYLOM CARRIERS	Hamilton	Truck trailer equipment, conversion trailing axles, dollies for transport equipment.	5	5	41 TIPPING MOTOR BODIES LIMITED	Schenberg	Aluminum snowmobile, utility, and horse trailers, truck vans and bodies to specifications.	22	28
30 PEELCO MANUFACTURING LIMITED	Oakville	Fabrication of heavy duty equipment, precision machining of critical truck and construction equipment components, manufacturing on highway specialty heavy duty trailers.	120	120	42 TRAILMOBILE CANADA LIMITED	Brantford	Highway trailers, vans, stake and racks, semi-dumps, truck bodies (dump and van bodies, pellet loaders) hydraulic hois- tles, containers and container chassis.	105	330
31 PEMBROKE MACHINE SHOP	Pembroke	Logging trailers, custom fabricating.	10	10	43 TRAILITE TRAILERS INCORPORATED	Williamsport	Commercial and industrial trailers fifth wheel trailers, commercial office and industrial units.	14	3

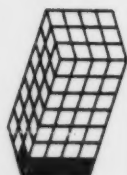


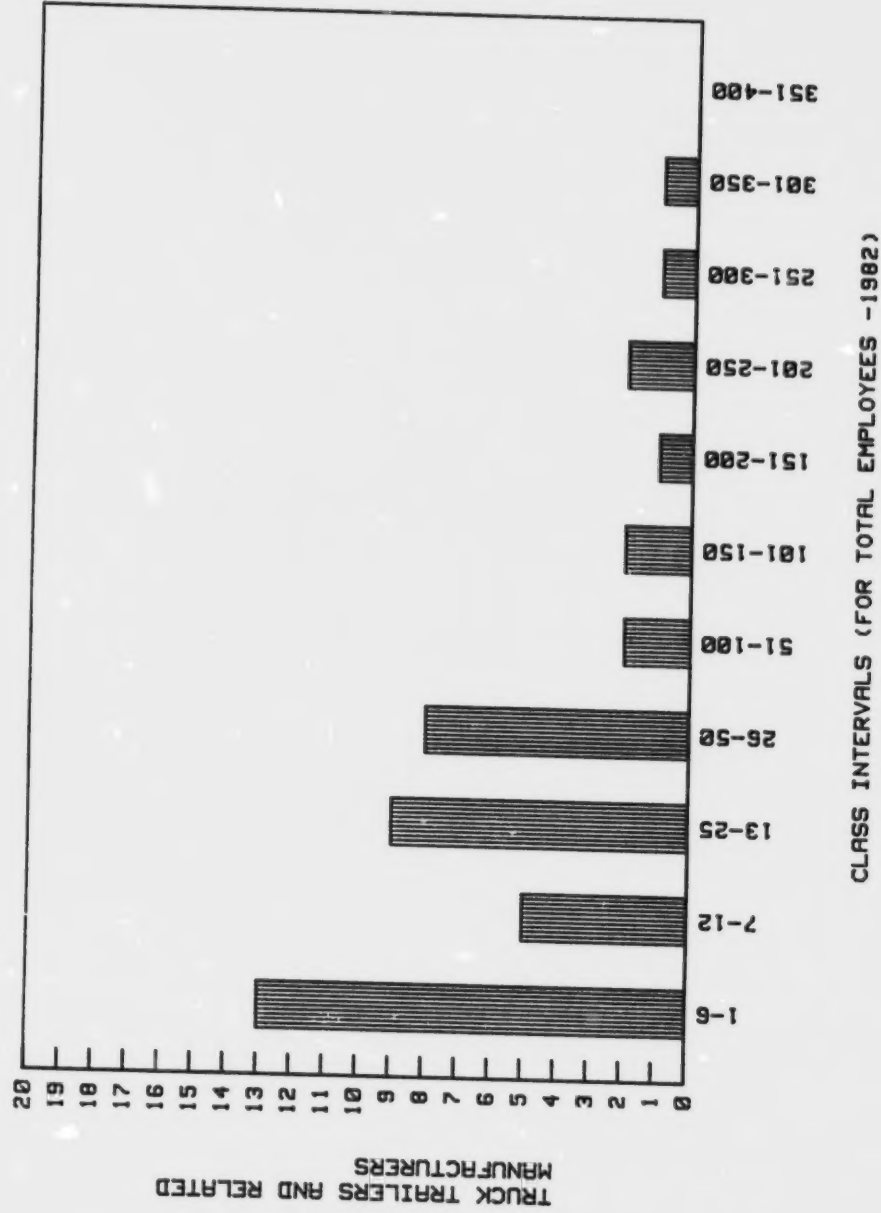
Table RI 13 — Truck Trailers and Related Manufacturing Industry in Ontario, 1981 and 1982 (Continued)

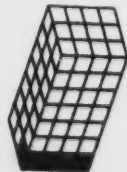
MANUFACTURING ESTABLISHMENT	LOCATION	PRODUCT AND/OR SERVICES	TOTAL EMPLOYEES 1981 1982	MANUFACTURING ESTABLISHMENT	LOCATION	PRODUCT AND/OR SERVICES	TOTAL EMPLOYEES 1981 1982
44 TRAYLOR INDUSTRIES LIMITED	Hensall	Mobile office trailers, temporary field bunk houses, utility and construction trailers, truck cabs, service homes for pickups, park model recreational vehicles.	16 21	48 WESTING TRAILER COMPANY	Shelburne	Horse and stock trailers, industrial demonstration trailers, custom hardware (horse industry), tread mill (for exercising horses or cattle).	3 3
45 TUSCO TRAILER AND UTILITY SUPPLY	Glanworth	Conventional and hydraulic loadbeds, custom-built industrial trailers, tilt top and tag-a-longs, pole, pulpwood, logging, gravel hopper and low platform highway trailers, steering dollies, grain end, side dumps, steel scrap trailers.	28 28	49 ZEALOT MANUFACTURING LIMITED	Oshawa	Trailers - van trailers, flat bed trailers, car carriers.	8 6
46 MAJAN I.L.C. LIMITED	Harkham	Utility bodies, truck mounted hydraulic cranes, digger derricks, hydraulic aerial devices, cable reel trailers.	258 250			GRAND TOTAL	2 861 2 161
47 WALINGA BODY AND COACH LIMITED	Guelph	Truck bodies, trailers, pneumatic transfer units, bulk feed, grain and auger feed bodies (including tank type), glass carriers, dump and van bodies.	64 68				

SOURCE: SCOTT'S INDUSTRIAL DIRECTORY ONTARIO MANUFACTURERS, 13th Edition. Published by Penstock Publications
Limited, Oakville, Ontario, 1981.

SCOTT'S INDUSTRIAL DIRECTORY ONTARIO MANUFACTURERS, 14th Edition, 1983-1984, Published by Scott's
Industrial Directories, Oakville, Ontario, L3T 9E9.

Figure RI 13 — Number of Total Employees in the Truck Trailer Manufacturing Industry, 1982





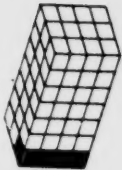
Highways and Roads

Table RI 14 — Passenger Cars, by Country, 1960-1977

COUNTRY	CARS (IN THOUSANDS)				ANNUAL AVERAGE PERCENTAGE CHANGE		
	1960	1970	1973	1977	1960-70	1970-73	1973-77
	4 104	6 602	7 866	9 554	4.9%	6.0%	5.0%
U.S.	61 682	80 841	101 005	113 696	2.7%	7.7%	3.0%
Australia	1 976	3 899	4 520	5 369	7.0%	5.0%	4.4%
France	5 430	12 900	14 500	16 700	9.0%	4.0%	3.6%
West Germany	4 489	13 514	16 569	20 020	11.7%	7.0%	4.8%
Italy	1 976	10 181	13 424	16 371	17.8%	9.7%	5.1%
Japan	456	8 832	14 699	19 000	34.5%	18.5%	6.6%
U.K.	5 660	11 666	13 675	14 400	7.5%	5.4%	1.3%
U.S.S.R.	892	1 993	188 623	2 849	8.4%	5.9%	4.8%
TOTAL	86 665	150 428	188 623	217 959	5.7%	7.8%	3.7%

SOURCE:

- Eurostat - Statistiques de la Base de la Communauté;
- IRF 1971, World Road Statistics, 1966 - 70;
- IRF Road and Motor Vehicle Statistics for 1978;
- TRRL Laboratory Report 662;
- The Automobile and the Environment, Gakenheimer;
- Statistical Yearbook United Nations, 1976;
- Annual Bulletin of Transport Statistics for Europe, 1978, as shown in PASSENGER AND GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON, 1960 - 1977, Transport Canada, Strategic Planning, Catalogue T22-53/1981, Place de Ville, Ottawa, Ontario, May 1981.



Highways and Roads

Figure RI 14 — Passenger Cars, Canada and United States, 1960, 1970, 1973 and 1977

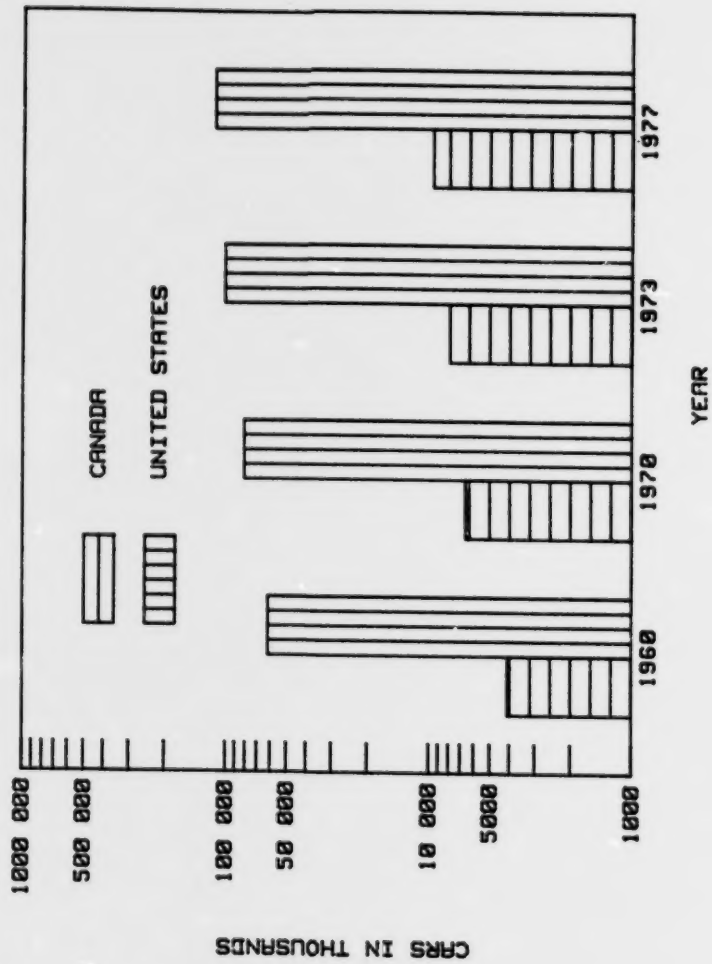
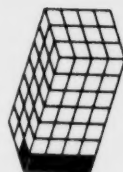




Table RI 15 — Number of Automobiles per 1000 Population, by Country, 1960, 1970, 1973 and 1977

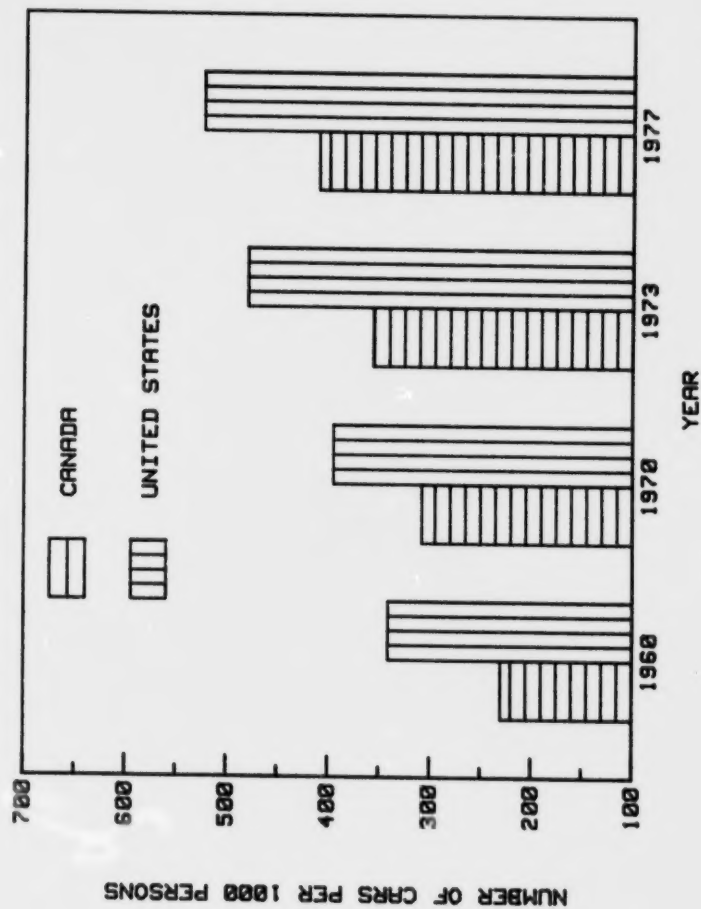
COUNTRY	AUTOMOBILES PER 1000 PERSONS				ANNUAL AVERAGE % CHANGE	
	1960	1970	1973	1977	1960-70	1970-73 1973-77
Canada	230	308	356	410	8%	16% 14%
U.S.	341	395	480	524	5%	21% 11%
Australia	192	311	345	382	12%	11% 9%
France	119	254	278	314	14%	8% 9%
W. Germany	84	227	267	326	14%	13% 15%
Italy	40	190	245	290	15%	18% 11%
Japan	5	85	135	167	8%	17% 8%
U.K.	108	209	251	257	10%	14% 2%
U.S.S.R.	4	8	9	11	0	0 1%

SOURCE: PASSENGER AND GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON,
1960 - 1977, Transport Canada, Strategic Planning, Catalogue
T22-53/1981, Place de Ville, Ottawa, Ontario, May 1981.



Highways and Roads

Figure RI 15 - Number of Automobiles per 1000 Population, Canada and United States, 1960, 1970, 1973 and 1977



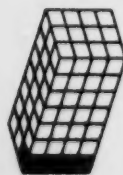
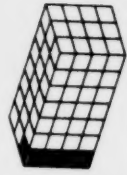


Table RI 16 - Number of Trucks, by Country, 1960, 1970, 1973 and 1977

COUNTRY	TRUCKS (THOUSANDS)			ANNUAL AVERAGE PERCENTAGE CHANGE			
	1960	1970	1973	1977	1960-70	1970-73	1973-77
Canada	1 093	1 738	2 037	2 442	4.7%	5.4%	4.6%
U.S.	11 945	17 790	23 233	29 562	4.1%	9.3%	6.2%
Australia	820	955	1 017	1 306	1.5%	2.1%	6.5%
France	1 597	2 605	3 085	3 739	5.0%	5.8%	4.9%
West Germany	687	1 028	1 139	1 146	4.1%	3.5%	.2%
Italy	612	1 219	1 447	1 573	7.1%	5.9%	2.1%
Japan	1 680	9 253	9 919	11 370	18.6%	2.3%	3.5%
U.K.	1 406	1 616	1 764	1 646	1.4%	3.0%	-1.7%
U.S.S.R.	N/A	N/A	N/A	N/A	N/A	N/A	N/A

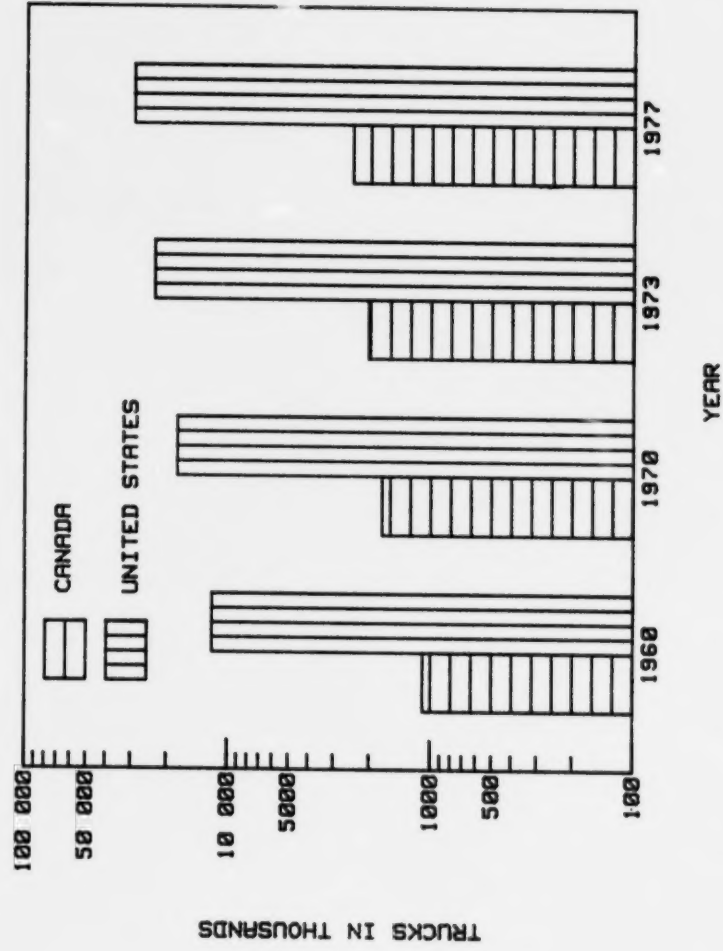
SOURCE:

- U.N. Yearbook, 1977 and earlier issues;
- U.S. Statistical Abstract, 1978;
- International Road Federation: World Road Statistics, 1966-70;
- U.N. Annual Bulletin of Transport Statistics, 1978 and earlier issues;
- Statistics Canada: Survey of For-Hire Trucking, 1977 and earlier issues, shown in PASSENGER AND GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON, 1960-1977, Transport Canada, Strategic Planning, Catalogue 122-53/1981, Place de Ville, Ottawa, Ontario, May 1981.



Highways and Roads

Figure RI 16 -- Number of Trucks, Canada and United States, 1960, 1970, 1973 and 1977



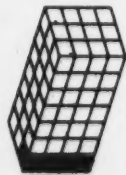


Table RI 17 - Annual Car Passenger-Kilometres per Capita, by Country, 1960-1977

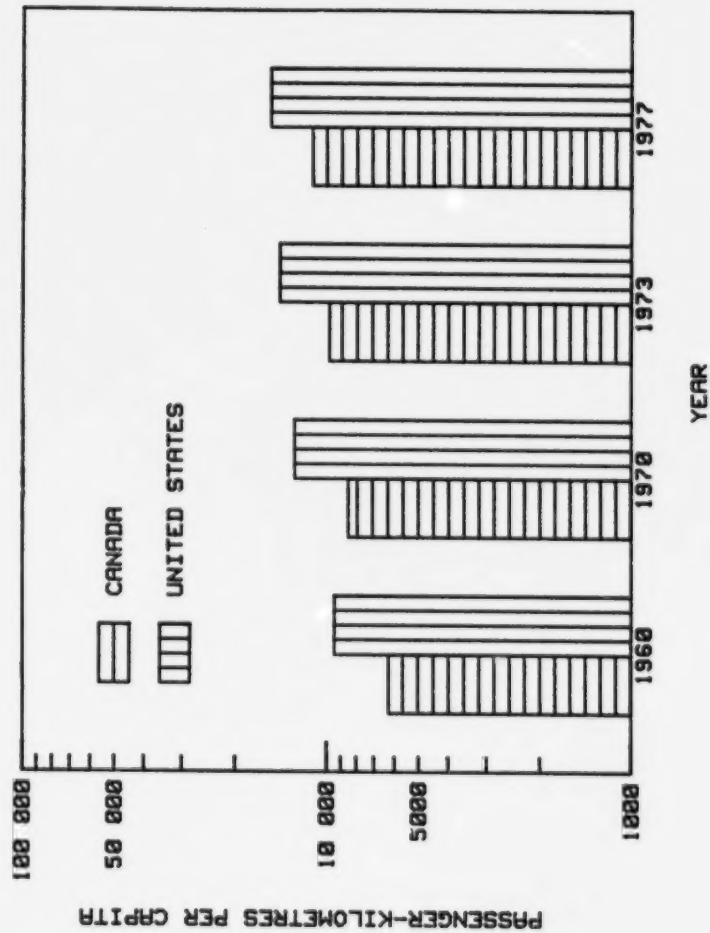
COUNTRY	PASSENGER-KILOMETRES PER CAPITA				ANNUAL AVERAGE % CHANGE		
	1960	1970	1973	1977	1960-70	1970-73	1973-77
Canada	6 254	8 498	9 801	11 113	3.1%	4.9%	3.2%
U.S.	9 429	12 744	14 268	15 247	3.1%	3.8%	1.7%
Australia	3 883	8 078	9 107	10 269	7.6%	4.1%	3.0%
France	2 112	5 376	6 269	7 542	10.0%	5.3%	4.7%
W. Germany	2 188	6 158	6 890	7 897	10.9%	3.8%	3.5%
Italy	1 309	4 368	4 948	5 723	12.8%	4.2%	3.7%
Japan	1 832	2 339	3 724	4 928	2.5%	16.8%	7.3%
U.K.	2 722	5 460	5 934	6 544	7.2%	2.8%	2.5%
U.S.S.R.	118	233	268	311	7.0%	4.8%	3.8%

SOURCE: PASSENGER AND GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON,
1960 - 1977, Transport Canada, Strategic Planning, Catalogue
T22-53/1981, Place de Ville, Ottawa, Ontario,
May 1981.



Highways and Roads

Figure RI 17 — Annual Car Passenger—Kilometres per Capita, Canada and United States, 1960, 1970, 1973 and 1977





Highways and Roads

Table RI 18 - Ontario Provincial Highway and Road Systems by Surface Type, 1973-1982

HIGHWAY AND ROAD SYSTEM, SURFACE TYPE	KILOMETRES											
	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982		
KING'S HIGHWAY	15 775.8	15 766.9	15 734.9	15 823.6	15 896.3	15 854.1	15 838.0	15 806.9	15 977.2	15 953.4		
Concrete	558.3	558.3	552.7	554.5	560.8	514.3	409.6	1 246.5	321.8	243.1		
High-class Bituminous*	13 783.0	14 008.6	14 319.8	14 214.2	14 363.6	14 519.4	14 691.1	13 529.4	14 848.6	15 116.2		
Low-class Bituminous	1 242.5	1 008.5	817.5	920.7	850.4	760.2	640.5	632.6	707.5	531.7		
Gravel & Crushed Stone	192.0	191.5	94.9	134.2	121.5	60.2	96.8	103.8	99.3	62.4		
SECONDARY HIGHWAY	4 712.3	4 718.4	4 894.4	5 101.6	5 173.3	5 184.3	5 208.1	5 344.7	5 249.7	5 265.0		
High-class Bituminous	370.1	469.8	548.7	504.5	662.7	805.5	882.4	1 065.5	1 080.7	1 205.5		
Low-class Bituminous	1 224.6	2 527.1	2 496.0	2 942.1	2 844.3	2 808.8	2 986.8	3 017.2	3 115.6	2 962.4		
Gravel & Crushed Stone	3 113.7	1 716.7	1 845.2	1 650.5	1 661.8	1 570.0	1 338.9	1 262.0	1 053.4	1 097.1		
Earth	3.9	4.8	4.5	4.5	4.5	-	-	-	-	-		
TERTIARY ROADS	362.5	589.7	396.4	324.7	406.0	406.0	517.9	381.7	381.6	321.7		
High-class Bituminous	39.3	37.0	-	-	2.7	2.7	53.9	2.7	4.0	-		
Low-class Bituminous	-	108.0	107.3	24.1	33.5	33.5	12.1	33.5	33.5	33.5		
Gravel & Crushed Stone	323.2	444.7	289.1	300.6	369.8	369.8	451.9	345.5	344.1	288.2		
TOTAL - PROVINCIAL HIGHWAYS & ROADS	20 850.6	21 075.0	21 075.7	21 249.9	21 475.6	21 444.4	21 564.0	21 587.3	21 608.5	21 540.1		

NOTE: *Includes asphalt on concrete

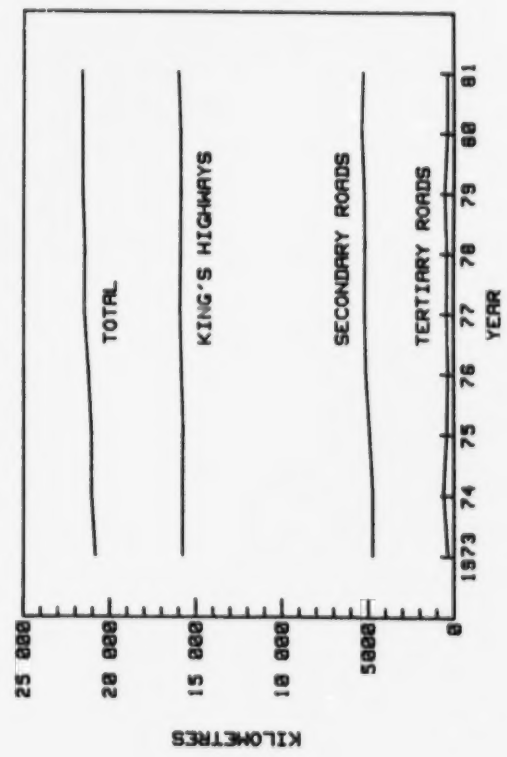
SOURCE: - Reference and Information Systems Section, Highway Program Planning Office,
Highway Program Development Branch, Ontario Ministry of Transportation and Communications (1973-1979).
- ADM - Finance and Administration and
- ADM - Provincial/Municipal Transportation, Directive Administration General B-4 (1980-1981).
- ADM - Finance and Administration and ADM - Provincial/Municipal Transportation, Directive Administration - General B-4 issued 1983-10-17.



Highways and Roads

Figure RI 18 - Ontario Provincial Highway and Road Systems, 1973-1982

ONTARIO PROVINCIAL HIGHWAY AND ROAD
SYSTEMS, 1973-1981



ONTARIO PROVINCIAL HIGHWAY AND ROAD SYSTEMS BY
SURFACE TYPE, 1982

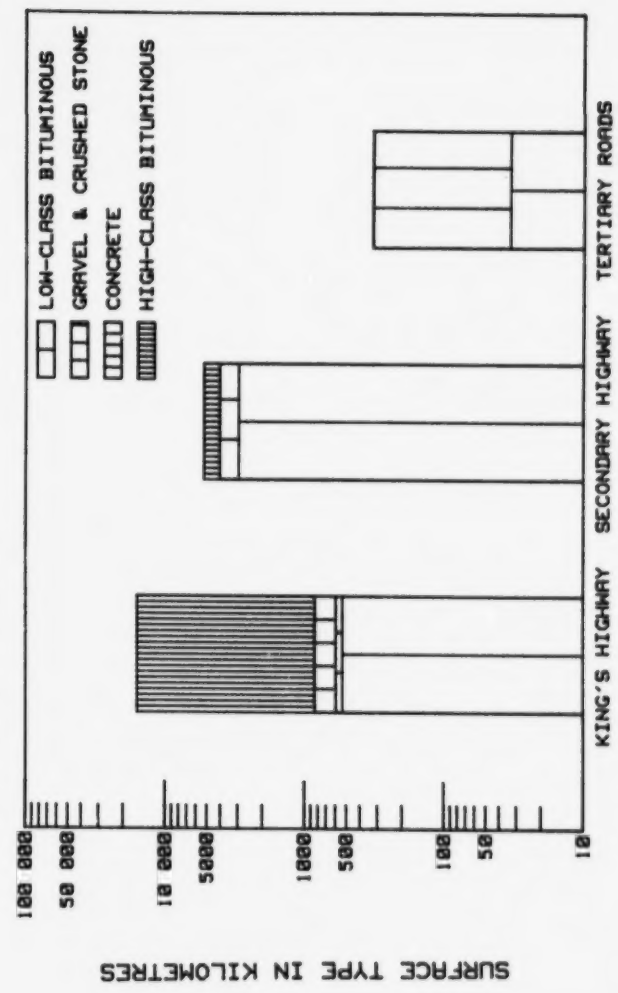


Table RI 19 - Ontario Municipal Road Systems by Surface Type, 1973-1982

ROAD SYSTEM, SURFACE TYPE	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
KILOMETRES										
COUNTY ROADS	14 616.5	12 370.5	12 379.9	12 397.2	12 464.8	12 537.9	12 592.5	12 566.6	12 197.3	12 257.9
Concrete	74.2	69.2	57.3	57.3	21.7	19.3	20.9	33.6	31.2	11.3
High-class Bituminous	6 383.1	5 719.7	5 867.7	5 991.3	6 238.0	6 444.0	6 572.7	7 176.4	6 889.6	7 035.3
Low-class Bituminous	4 992.3	3 724.5	3 736.9	3 736.9	3 680.1	3 603.5	3 663.6	3 160.0	3 283.6	3 282.9
Gravel & Crushed Stone	3 165.2	2 851.3	2 763.8	2 608.8	2 511.5	2 450.6	2 318.4	2 190.3	2 039.7	1 922.4
Earth	0.6	3.1	3.1	2.4	11.2	16.8	16.4	6.0	3.2	6.0
Other	1.1	2.7	0.5	0.5	0.3	3.7	0.5	0.3	0.0	0.0
REGIONAL MUNICIPAL ROADS	3 613.7	6 037.4	6 484.8	6 580.4	6 849.0	6 839.2	6 839.6	6 809.6	7 279.4	7 367.8
Concrete	21.7	23.2	19.0	16.4	14.8	12.9	15.5	15.5	13.8	9.7
High-class Bituminous	1 849.9	3 043.4	3 611.9	3 738.9	4 034.0	4 111.4	4 313.8	4 585.4	4 494.0	4 757.1
Low-class Bituminous	1 125.7	2 114.2	2 036.4	2 086.8	2 127.0	2 090.2	1 932.3	1 666.4	2 162.7	2 055.0
Gravel & Crushed Stone	615.6	830.7	709.7	709.7	648.9	600.4	570.1	541.4	608.0	545.1
Earth	0.8	9.1	16.1	9.3	3.4	7.1	0.8	0.9	0.9	0.9
Other	-	6.8	17.2	18.3	20.9	19.3	8.7	0.9	0.0	0.0
METROPOLITAN ROADS	623.0	650.3	696.9	719.8	722.3	723.9	722.1	721.7	720.4	732.6
Concrete	1.8	1.8	4.5	4.5	4.7	5.0	5.0	5.0	5.0	4.9
High-class Bituminous	615.3	643.4	686.1	709.9	711.3	712.6	712.9	712.6	712.6	705.9
Low-class Bituminous	2.7	2.7	5.1	2.9	2.9	2.9	2.9	-	-	17.6
Gravel & Crushed Stone	0.6	0.6	3.9	3.4	3.4	3.4	1.3	4.1	2.8	2.8
Other	2.6	1.8	1.8	3.4	3.4	3.4	1.3	4.1	2.8	2.8
ORGANIZED TOWNSHIP ROADS	81 121.4	77 597.9	78 017.0	75 013.6	75 189.9	74 673.5	74 949.7	75 010.3	67 942.3	67 576.0
Concrete	21.1	18.2	9.8	9.3	9.3	10.1	12.4	32.9	13.9	11.1
High-class Bituminous	4 702.8	4 774.1	4 979.0	2 703.5	2 740.3	2 654.9	3 066.4	3 477.6	3 662.2	3 842.7
Low-class Bituminous	4 466.7	6 305.2	6 733.2	6 626.6	7 006.1	7 323.3	7 759.9	7 897.1	8 226.1	8 592.6
Gravel & Crushed Stone	59 656.7	56 709.2	56 103.4	55 603.4	55 287.0	54 680.5	54 243.8	53 353.1	53 040.8	52 357.3
Earth	3 499.9	3 277.0	3 350.9	3 252.2	3 228.6	3 228.3	3 204.7	3 289.0	2 999.3	2 772.3
Other	6 774.2	6 514.2	6 840.7	6 818.9	6 918.6	6 776.4	6 663.1	6 960.6	0.0	0.0
UNORGANIZED TOWNSHIP ROADS	9 219.1	9 826.2	9 779.0	9 913.4	9 848.7	10 103.4	9 969.4	9 473.2	9 290.6	9 626.0
High-class Bituminous	63.9	70.2	80.6	82.4	76.1	93.8	103.0	105.0	108.3	113.3
Low-class Bituminous	80.9	95.4	106.5	141.9	182.7	202.1	202.9	220.7	247.7	266.3
Gravel & Crushed Stone	7 328.3	8 627.0	8 598.2	8 736.5	8 639.8	8 844.6	8 695.1	8 156.2	8 302.4	8 596.5
Earth	1 445.4	669.5	643.4	631.2	633.1	628.8	631.1	632.3	624.0	651.7
Other	300.7	364.1	350.3	321.4	317.0	334.1	337.3	359.0	8.2	8.2
CITY, TOWN, BOROUGH & VILLAGE STREETS	24 452.1	29 017.0	28 894.7	32 315.9	32 291.4	33 093.5	33 532.1	33 973.1	32 547.1	33 073.0
Concrete	398.5	391.2	382.6	455.1	314.3	295.5	306.9	315.5	299.7	285.6
High-class Bituminous	10 367.9	11 515.6	12 078.1	15 197.0	15 360.9	16 577.1	17 333.7	18 098.1	18 975.6	19 686.6
Low-class Bituminous	6 351.4	6 764.7	6 569.5	7 315.2	7 574.8	7 259.4	7 088.3	6 930.0	6 915.1	6 867.7
Gravel & Crushed Stone	5 426.7	7 845.6	7 428.0	6 856.1	6 556.1	6 436.7	6 262.4	6 077.0	5 983.1	5 902.2
Earth	552.2	600.5	422.4	459.5	377.6	370.6	367.4	378.0	373.0	347.6
Other	1 355.4	1 899.4	2 014.1	2 032.4	2 107.7	2 154.6	2 173.3	2 174.5	2.6	3.3
TOTAL - MUNICIPAL ROADS	133 645.8	135 499.3	136 252.3	136 940.3	137 366.1	137 971.4	138 604.4	138 554.5	129 977.1	130 633.3

SOURCE: - Municipal Roads Office, Ontario Ministry of Transportation and Communications (1973-1979)
 - ADM - Finance and Administration and
 - ADM - Provincial/Municipal Transportation, Directive Administration - General 3-4 dated 1982-09-09.
 - ADM - Provincial/Municipal Transportation, Directive Administration - General 9-4 issued 1983-10-17.



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Figure RI 19 - Ontario Municipal Road Systems by Surface Type, 1982

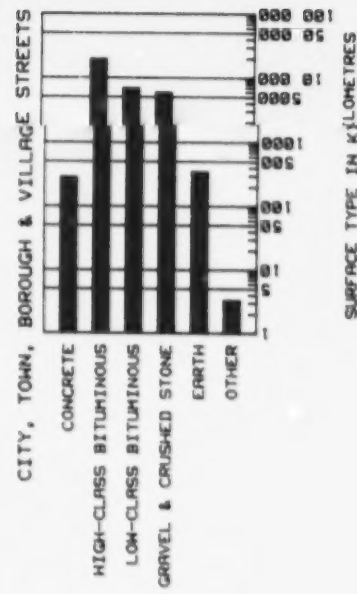
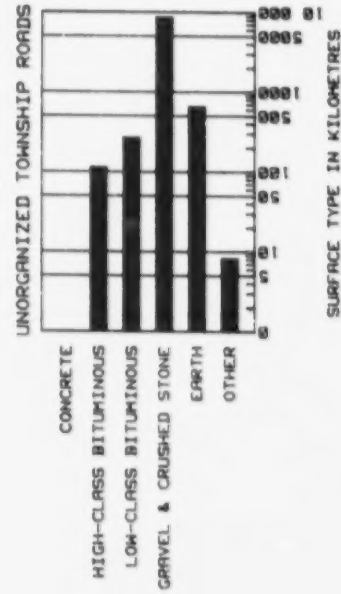
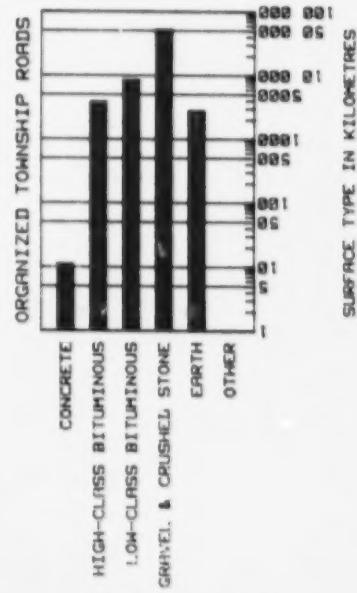
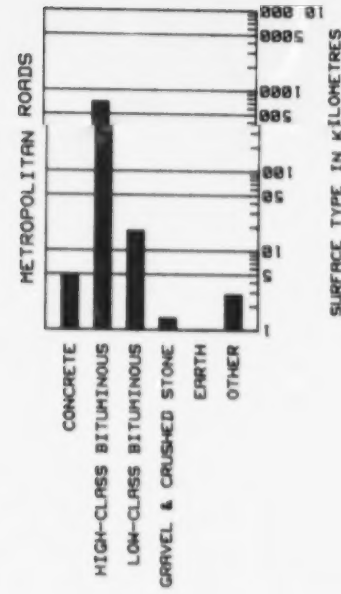
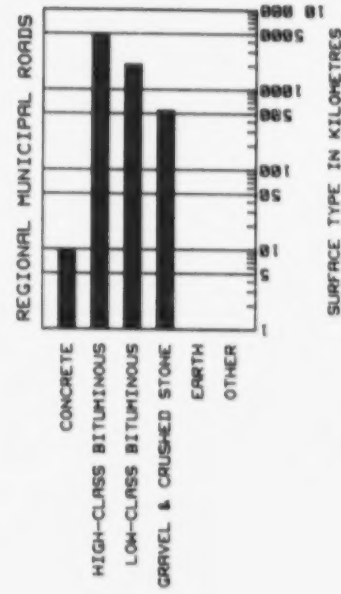
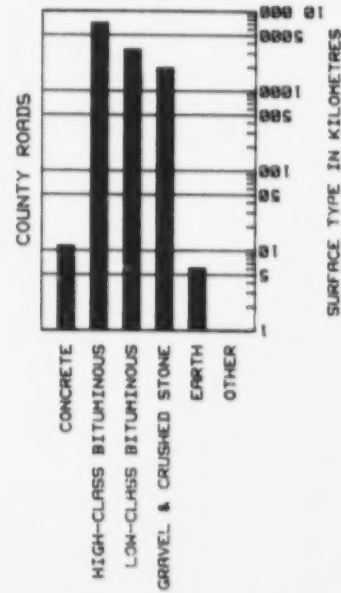
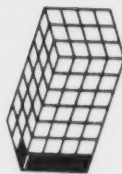


Table RI 20 - Status of the Ontario Provincial Roads System, King's and Secondary Highways, 1978, 1979 and 1980

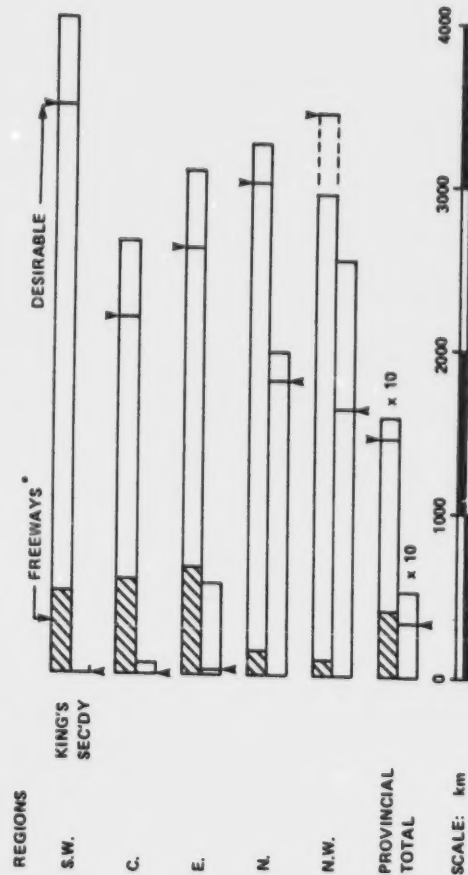
REGIONS	EXISTING SYSTEM KM			DESIRABLE DELETIONS KM			DESIRABLE ADDITIONS KM			DESIRABLE SYSTEM KM		
	1978	1979	1980	1978	1979	1980	1978	1979	1980	1978	1979	1980
King's Highways												
SOUTHWEST	4079.8	4039.4	4016.9	759.4	733.1	586.8	10.8	10.8	10.8	3331.2	3317.1	3440.9
CENTRAL	2505.5	2521.5	2527.8	482.8	489.8	419.5	37.3	68.1	68.1	2060.0	2099.8	2176.4
EASTERN	3078.0	3075.8	3086.6	489.6	517.4	540.2	58.9	58.9	58.9	2647.3	2617.3	2605.3
NORTHERN	3359.6	3255.8	3246.0	266.6	243.1	232.2	171.0	25.2	6.5	3264.0	3037.9	3020.3
NORTHWEST	2873.6	2961.8	2960.8	0.0	0.0	13.4	80.3	232.2	485.7	2954.0	3194.0	3433.1
PROVINCIAL TOTAL	15896.5	15854.3	15838.0	1998.4	1983.1	1792.1	358.3	395.2	630.0	14256.5	14266.1	14675.9
Secondary Highways												
CENTRAL	133.5	133.5	134.0	133.5	133.5	134.0	-0.0	0.0	0.0	0.0	0.0	0.0
EASTERN	574.1	571.4	571.4	554.0	551.3	551.3	0.0	0.0	0.0	20.1	20.1	20.1
NORTHERN	2131.7	1962.6	1962.7	567.0	421.2	397.3	386.4	383.5	225.2	1951.1	1924.9	1790.6
NORTHWEST	2334.0	2516.8	2540.0	794.1	949.9	1229.7	110.6	110.6	304.3	1650.5	1677.5	1614.6
PROVINCIAL TOTAL	5173.3	5184.3	5208.1	2048.6	2055.9	2312.3	497.0	494.1	529.5	3621.7	3622.5	3425.3

SOURCE: PROVINCIAL HIGHWAYS STATUS OF THE SYSTEMS BASED ON THE 1980 INVENTORY UPDATE, prepared by O. Maier, Highway Program Planning Office, Highway Program Development Branch, Ontario Ministry of Transportation and Communications, November 1980.

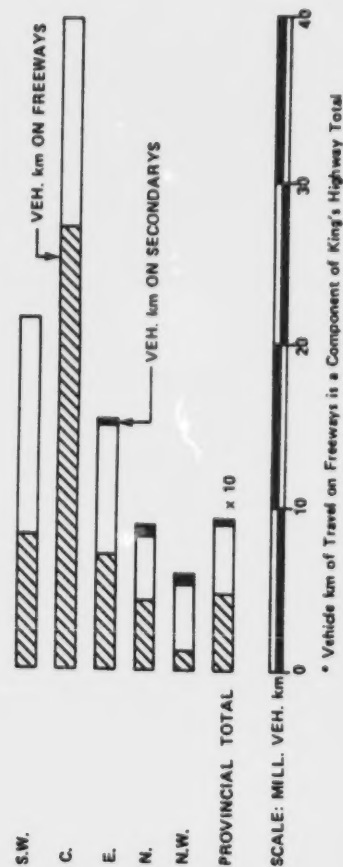


Highways and Roads

Figure RI 20 - Status of the Ontario Provincial Road System - Kilometres of Existing and Desirable System, 1980 (Regional and Provincial Totals)



DAILY VEHICLE km OF TRAVEL ON EXISTING SYSTEM



* Vehicle km of Travel on Freeways is a Component of King's Highway Total

REGIONS	HWY SYSTEM EXISTING	DESIRABLE
SOUTHWEST	K.H. 4,016.9 S.H. 0.0	3,440.9 0.0
CENTRAL	K.H. 2,527.8 S.H. 134.0	2,176.4 0.0
EASTERN	K.H. 3,086.6 S.H. 571.4	2,605.3 20.1
NORTHERN	K.H. 3,246.0 S.H. 1,962.7	3,020.3 1,790.6
NORTHWEST	K.H. 2,960.2 S.H. 2,540.0	3,433.1 1,614.6
PROVINCIAL TOTAL	K.H. 15,838.0 S.H. 5,208.1	14,675.9 3,425.3

REGIONS	KING'S	FREEWAYS*	SECONDARIES
S.W.	21.4	8.1	0.0
C.	38.9	27.2	0.0
E.	14.9	7.2	0.2
N.	8.1	2.2	0.8
N.W.	5.3	0.6	0.6
PROV. TOTAL	88.7	45.2	2.0

SOURCE: Provincial Highways Status of the Systems
Based on the 1980 Inventory Update.

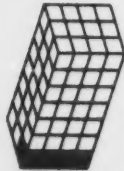
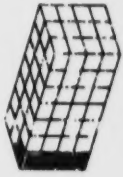


Table RI 21 - Capacity and Structural Adequacy Level in %, King's Highways, 1979-1982

Region	NDW PERIOD					NDW + (1-5)					NDW + (1-10)				
	1979	1980	1981	1982		1979	1980	1981	1982		1979	1980	1981	1982	
Southwestern **	* 99.0 98.3	99.0 98.5	98.7 98.3	99.0 99.5		98.0 65.8	98.0 69.5	97.1 62.5	98.4 62.7		95.1 43.6	95.1 47.0	93.8 31.9	97.4 31.6	
Central **	* 91.9 90.7	94.2 93.1	94.0 100.0	94.4 99.5		81.9 66.9	87.4 65.2	97.2 62.1	88.8 68.7		73.1 54.7	79.2 48.3	78.1 31.16	81.3 37.4	
Eastern **	* 99.0 94.7	99.1 95.6	99.3 98.0	99.4 97.4		98.4 66.8	98.8 70.3	99.0 69.8	99.4 63.9		97.4 35.2	98.1 35.5	98.8 35.5	98.9 39.1	
Northern **	* 94.3 93.9	98.5 93.7	98.4 97.2	99.5 96.7		91.1 60.1	98.4 51.0	97.8 53.1	99.1 53.1		96.0 22.7	90.0 20.7	95.1 22.2	98.9 20.7	
Northwestern **	* 100.0 95.8	99.9 95.9	100.0 98.2	100.0 94.9		99.9 68.8	99.7 65.3	98.6 69.3	99.6 63.0		99.3 34.0	99.3 28.8	99.5 32.7	99.5 29.5	
Provincial Total **	* 98.1 95.0	98.3 95.6	98.3 98.3	98.6 97.7		95.9 64.1	96.9 64.3	96.5 63.2	97.6 62.0		93.0 37.7	94.1 36.2	93.6 31.5	95.8 29.4	
Southern Ontario **	* 97.3 95.1	97.6 96.1	97.4 98.7	98.0 98.8		94.2 66.1	95.6 67.7	95.0 64.8	96.7 64.8		90.4 42.1	91.8 36.6	91.0 31.8	94.0 30.9	
Northern Ontario **	* 99.8 94.8	99.8 94.5	99.9 98.5	99.9 95.7		98.7 58.8	99.6 57.5	99.4 60.0	99.4 66.4		96.9 22.0	98.9 23.7	98.7 31.8	99.4 36.3	

SOURCE: 1/ Provincial Highways Status of the Systems Based on the 1980 Inventory Update, prepared by O. Maier, Program Policy and Analysis Section, Highway Program Development Branch, Ministry of Transportation and Communications, November 1980, (1979 and 1980 figures).
2/ Roy Mingay, Senior Needs Analyst, Highway Program Planning Office, Transportation Capital Branch, Ministry of Transportation and Communications, August 1983, (1981 and 1982 data).

NOTE: In this Table - Capacity Adequacy % is denoted by * and Structural Adequacy % is identified by **



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Figure RI 21 -- Capacity and Structural Adequacy Levels in % King's Highways 1979-1982

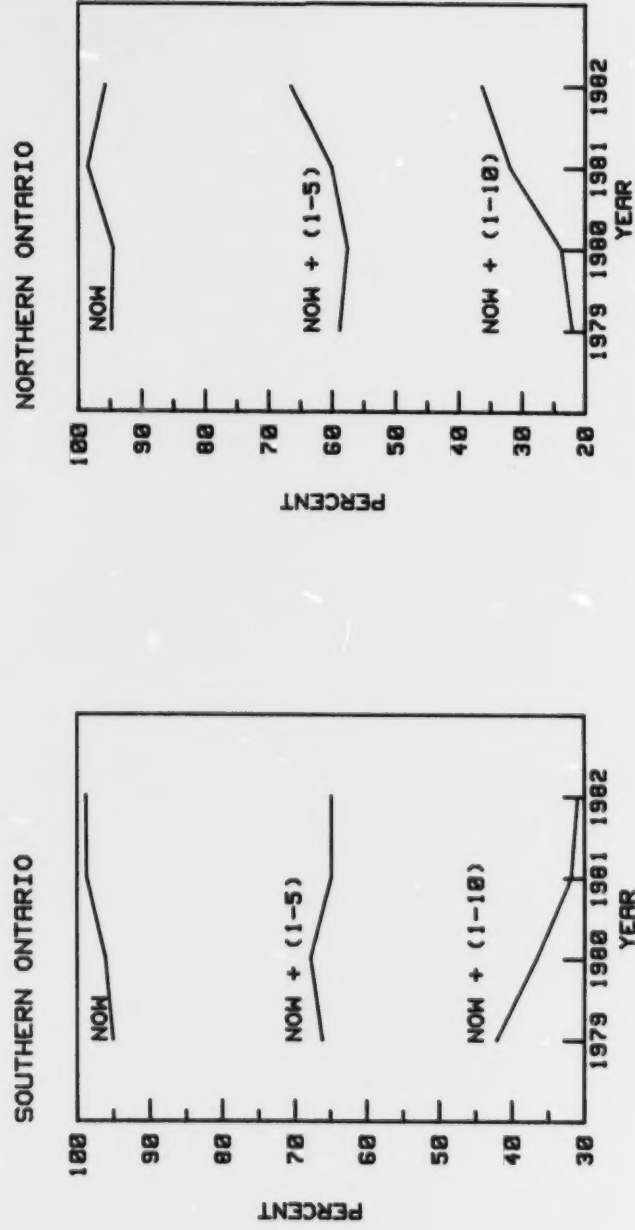


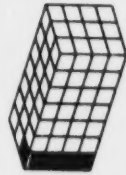


Table RI 22 — Highway/Railway Crossings in Ontario as of December 31, 1973–1981

YEAR	PROTECTED BY										UNPROTECTED				GRAND TOTAL HIGHWAY/ RAILWAY CROSSING- PROTECTED AND UNPROTECTED																				
	GATES					BRIDGES					SUBWAYS					AUTOMATIC SIGNALS					WATCHMEN														
	Urban Rural					Urban Rural					Urban Rural					Urban Rural					Urban Rural					Urban Rural					Grand Total				
1973	303	175	317	282	433	199	859	1 033	24	5	1 805	3 169	3 741	4 963	1 805	3 169	3 741	4 963	1 805	3 169	3 741	4 963	8 704												
1974	352	348	329	325	448	220	924	1 086	37	9	2 019	3 417	4 109	5 405	2 019	3 417	4 109	5 405	2 019	3 417	4 109	5 405	9 514												
1975	352	346	331	330	452	212	953	1 136	38	9	1 981	3 341	4 107	5 374	1 981	3 341	4 107	5 374	1 981	3 341	4 107	5 374	9 481												
1976	362	352	341	326	459	205	1 012	1 153	37	9	1 960	3 274	4 171	5 319	1 960	3 274	4 171	5 319	1 960	3 274	4 171	5 319	9 490												
1977	376	366	338	334	455	208	1 021	1 163	14	4	1 962	3 214	4 166	5 289	1 962	3 214	4 166	5 289	1 962	3 214	4 166	5 289	9 455												
1978	380	374	348	332	473	206	1 041	1 207	14	4	1 893	3 146	4 149	5 269	1 893	3 146	4 149	5 269	1 893	3 146	4 149	5 269	9 418												
1979	356	371	348	336	474	208	1 062	1 249	14	4	1 893	3 109	4 147	5 277	1 893	3 109	4 147	5 277	1 893	3 109	4 147	5 277	9 424												
1980	340	344	340	344	459	209	1 037	1 268	16	5	1 755	3 049	3 947	5 209	1 755	3 049	3 947	5 209	1 755	3 049	3 947	5 209	9 156												
1981	298	371	333	323	451	204	1 035	1 293	16	5	1 724	3 021	3 857	5 217	1 724	3 021	3 857	5 217	1 724	3 021	3 857	5 217	9 074												

NOTE: Highway/railway crossings are protected by gates, bridges, subways, automatic signals and watchmen; whereas other (unprotected) highway/railway crossings at grade may be sometimes designated by warning signs only.

SOURCE: RAILWAY TRANSPORT, PART I, Comparative Summary Statistics, Catalogue 52-207, Annual, Statistics Canada, Ottawa, Ontario, March 1979, March 1980, August 1982, June 1983, Table 27.



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Figure RI 22 — Highway/Railway Crossings in Ontario as of December 31, 1973 and 1981

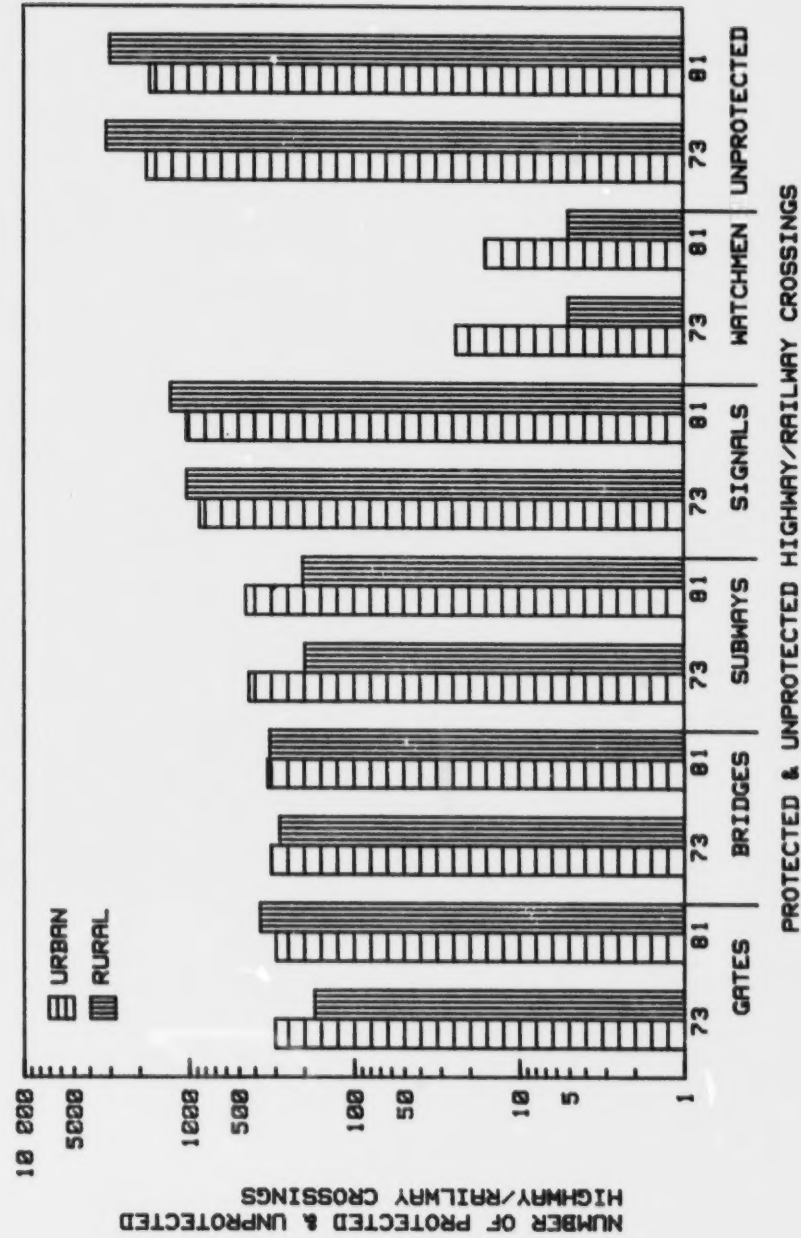
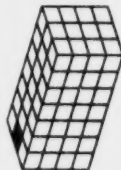




Table RP 1A - U.S./Canada Motor Vehicle Production, 1977-1979

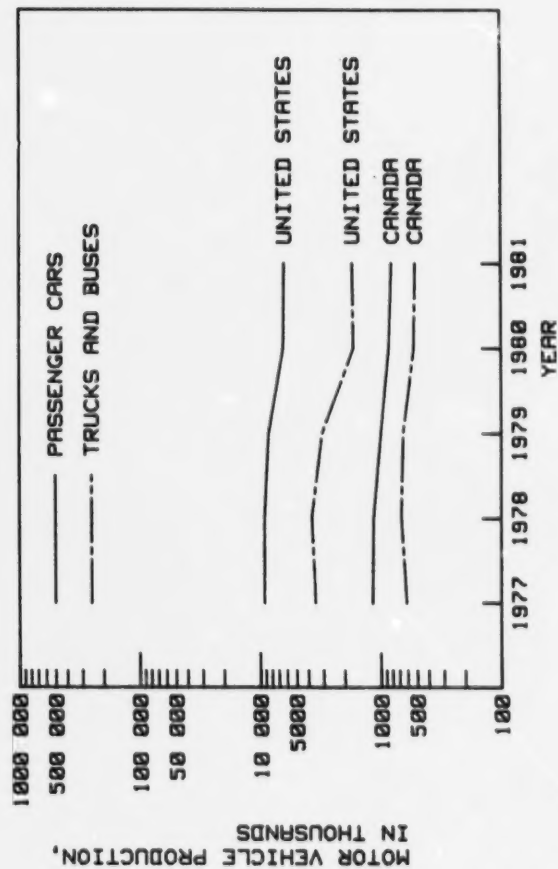
	United States			Canada			Total	
	1977	1978	1979	1977	1978	1979	1977	1979
PASSENGER CARS								
American Motors Corp	156 994	164 352	184 636	41 717	26 286	-	198 711	184 636
Chrysler Corporation	492 063	448 114	374 404	-	-	-	492 063	374 404
Plymouth	497 232	441 550	380 315	51 082	47 317	29 360	548 314	409 675
Dodge	247 064	236 504	181 427	163 726	112 768	104 726	410 790	286 153
Chrysler	1 236 359	1 126 168	936 146	214 808	160 085	134 086	1 451 167	1 070 232
Total	1 761 373	1 743 445	1 381 604	376 785	313 206	224 116	2 138 158	1 605 720
Ford Motor Co.	583 055	813 752	661 410	-	63 966	62 300	583 055	723 710
Mercury	211 439	2 557 197	2 043 014	376 785	377 172	286 416	211 439	877 718
Lincoln	2 555 867	2 346 155	2 236 171	370 816	316 592	252 177	2 932 652	2 329 430
Total	2 133 403	867 010	714 511	104 897	111 000	243 274	2 504 219	2 488 348
General Motors Corp	875 957	910 249	1 008 246	22 204	131 755	59 786	980 854	957 785
Chevrolet	1 079 841	801 202	810 324	23 414	12 000	3 168	1 102 045	1 068 032
Pontiac	369 254	350 761	345 831	960	336	-	824 616	790 317
Oldsmobile	5 259 657	5 284 499	5 091 908	522 291	571 683	558 405	370 214	351 097
Buick	4 777	4 225	4 766	-	-	-	5 781 948	5 650 313
Cadillac	4 777	4 225	4 766	-	-	-	4 777	4 766
Total	4 777	4 225	4 766	6 826	8 199	8 766	6 826	8 199
Checker	-	-	-	-	-	-	-	-
Volkswagen of America	-	-	-	-	-	-	-	-
Volvo	-	-	-	-	-	-	-	-
Total Passenger Cars	9 213 654	9 176 635	8 433 662	1 162 427	1 143 425	987 673	10 376 081	9 421 335
TRUCKS AND BUSES								
AM General	24 497	20 922	23 934	117 260	95 415	60 872	27 497	23 934
Chrysler	474 001	488 180	295 228	212 582	252 313	214 423	591 261	356 100
Ford	1 186 013	1 233 243	1 032 117	256 351	283 142	288 788	1 398 595	1 246 540
Chevrolet	1 122 169	1 216 050	1 015 092	19 862	19 325	20 153	1 699 529	1 641 261
GMC	321 009	375 000	337 381	19 862	17 881	51 925	130 756	135 606
International	110 894	123 123	115 453	4 009	3 534	3 849	162 231	186 549
Jeep	162 231	180 514	134 624	-	-	-	34 187	39 786
Mack	30 178	33 114	35 937	-	-	-	-	-
Volkswagen of America	-	-	-	-	-	-	-	-
White	25 195	13 217	11 251	2 392	3 457	3 978	27 587	2 407
Others	29 941	39 204	42 907	-	-	-	29 941	15 229
Total Trucks and Buses	3 489 128	3 722 567	3 046 331	612 456	675 067	643 988	4 101 584	3 690 319
Total Motor Vehicles	12 702 782	12 899 202	11 479 993	1 774 883	1 818 492	1 631 661	14 477 665	13 111 654

SOURCE: Motor Vehicle Manufacturers Association of the U.S. and Motor Vehicle Manufacturers' Association (Canada) as shown in MVMA MOTOR VEHICLE FACTS AND FIGURES '80; Motor Vehicle Manufacturing Association of the United States, Inc.; Statistics Department, Communications Division, 300 New Center Building, Detroit, Michigan, U.S. 48202.



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Figure RP 1A — United States/Canada Motor Vehicle Production, 1977–1981





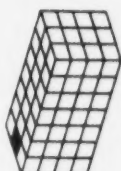
Highways and Roads

Table RP 1B — U.S./Canada Motor Vehicle Production, 1980 and 1981

	United States		Canada		Total
	1980 (1)	1981 (1)	1980	1981	
PASSENGER CARS					
American Motors Corp.	164 725	109 319	3 077	37 491	146 810
Chrysler Corporation	293 342	365 502	-	5 717	371 219
Plymouth	263 169	325 932	26 604	20 566	346 498
Dodge	82 463	57 340	44 926	42 866	127 389
Chrysler	638 974	748 774	71 530	69 149	100 206
Total	929 627	892 043	181 787	167 717	817 923
Ford Motor Co.					
Ford	377 321	428 154	68 089	41 777	1 059 760
Mercury	1 306 948	1 320 197	249 876	209 494	469 931
Lincoln					
Total	1 306 948	1 320 197	249 876	209 494	1 529 691
General Motors Corp.					
Chevrolet	1 737 336	1 445 353	251 198	233 306	1 678 659
Pontiac	556 429	521 302	148 652	125 060	646 362
Oldsmobile	783 225	838 333	112 480	120 023	171 834
Buick	783 575	839 960	-	-	895 668
Cadillac	203 991	259 135	-	-	783 575
Total	4 064 556	3 904 083	512 330	478 389	839 960
Checker Motors Co.	3 197	3 010	-	-	203 991
Volkswagen of America	197 106	167 755	-	-	4 576 885
Volvo			9 964	8 594	259 135
Total Passenger Cars	6 375 506	6 253 138	846 777	803 117	4 382 472
TRUCKS AND BUSES (2)					
Chrysler	139 797	100 967	53 660	85 407	193 457
Ford	590 776	617 326	179 200	134 936	752 262
Chevrolet	520 083	545 469	184 885	197 339	704 968
GMC Truck & Coach	178 252	175 376	71 517	79 984	249 769
International	67 057	68 787	16 502	11 109	83 459
Jeep Corp.	78 402	96 542	11 966	-	90 368
Mack	24 618	20 559	2 437	2 076	27 055
Mercedes-Benz	646	2 495	-	-	27 055
Volkswagen of America	28 649	37 053	-	-	28 649
Others	39 003	36 334	5 801	3 675	2 495
Total Trucks and Buses	1 667 283	1 700 908	525 968	514 526	2 193 251
Total	8 042 789	7 954 046	1 372 745	1 317 643	9 415 491

NOTE: (1) Starting in 1980, Plymouth, Dodge Sportsman, Ford Club Wagon, and Chevrolet Sportvan are included with trucks.
(2) Factory Sales Data.

SOURCE: Motor Vehicle Manufacturers Association of the U.S. and Motor Vehicle Manufacturers' Association (Canada) as shown in MYMA MOTOR VEHICLE FACTS AND FIGURES '82, Motor Vehicle Manufacturing Association of the United States, Inc., Statistics Department, Communications Division, 300 New Center Building, Detroit, Michigan, U.S. 48202.



Highways and Roads

Figure RP 1B - United States/Canada Passenger Cars Production, in Units, by Manufacturers, 1977-1981

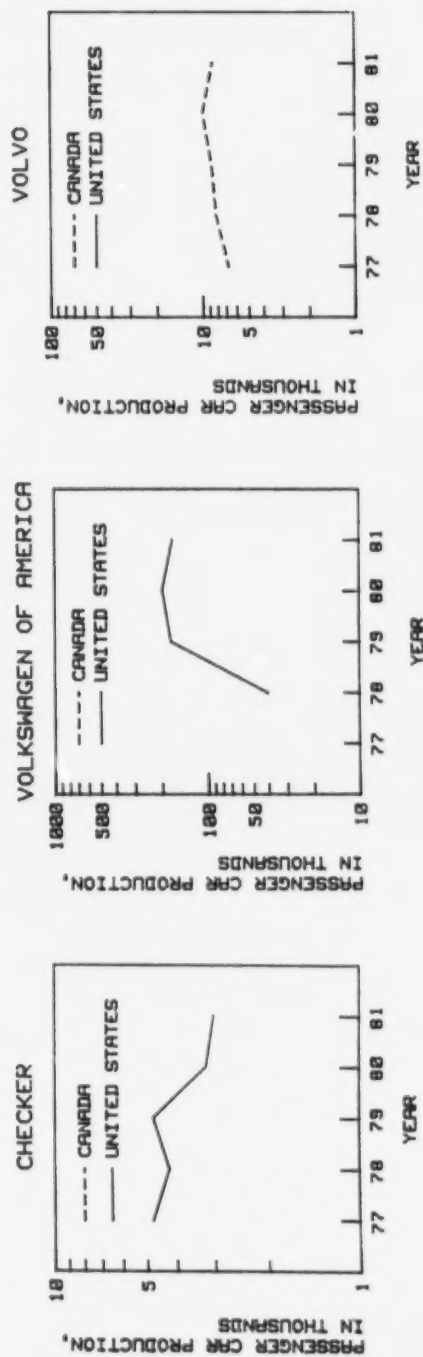
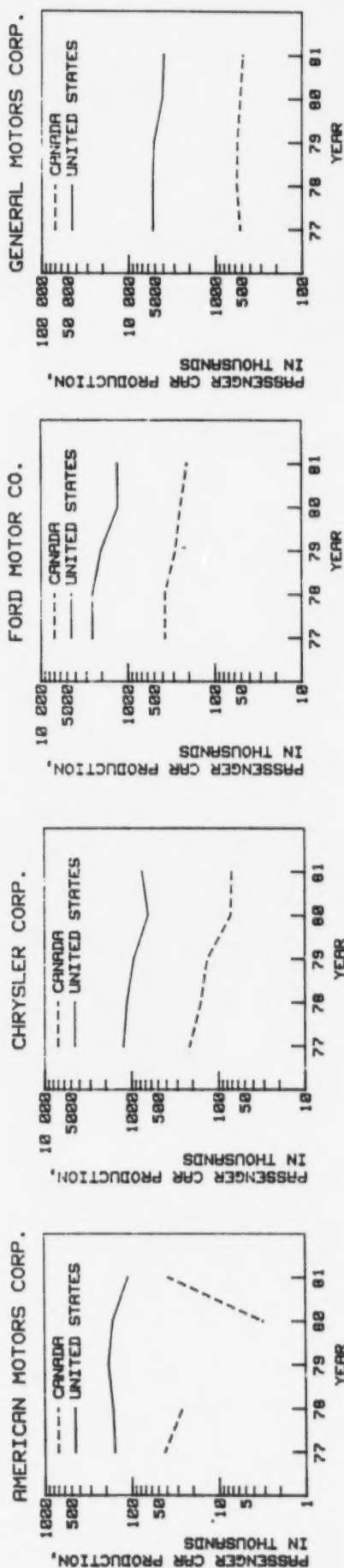




Table RP 2 — World Motor Vehicle Production, (Canada and the United States), 1950—1981

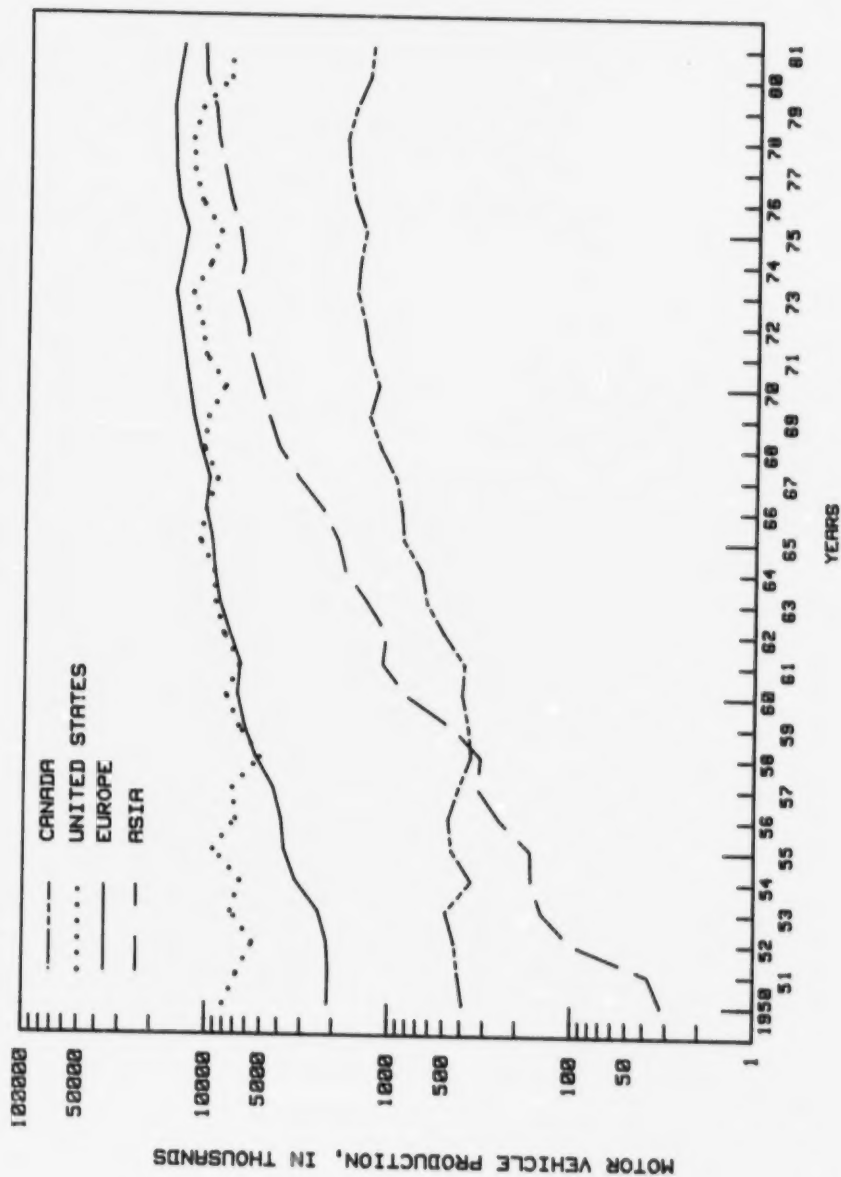
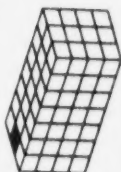
Year	United States	Canada	(In Thousands)				Percent of World Total			
			U.S. & Canada		World Total	Other	U.S. & Canada		U.S. & Canada	
			Total	Europe			Total	U.S.		
1981	7 936	1 323	9 259	14 557	11 180	2 223	37 219	21.3%	3.6%	24.9%
1980	8 010	1 374	9 384	15 530	11 043	2 538	38 495	20.8%	3.6%	24.4%
1979	11 480	1 632	13 112	16 380	9 737	2 286	41 515	27.7%	3.9%	31.6%
1978	12 899	1 818	14 717	16 205	9 366	2 011	42 299	30.5%	4.3%	34.8%
1977	12 703	1 775	14 478	15 979	8 604	1 888	40 949	31.0%	4.4%	35.4%
1976	11 498	1 640	13 138	15 316	7 927	1 960	38 346	30.0%	4.3%	34.3%
1975	8 987	1 424	10 411	13 590	7 016	1 982	32 998	27.2%	4.4%	31.6%
1974	10 071	1 525	11 596	14 513	6 640	1 985	34 733	29.0%	4.4%	33.4%
1973	12 682	1 575	14 256	15 700	7 180	1 781	38 918	32.6%	4.1%	36.7%
1972	11 311	1 430	12 741	14 836	6 384	1 584	35 545	31.8%	4.0%	35.8%
1971	10 672	1 347	12 018	13 956	6 000	1 450	33 424	31.9%	4.1%	36.0%
1970	8 284	1 187	9 471	13 154	5 365	1 276	29 267	28.3%	4.1%	32.4%
1969	10 205	1 326	11 532	12 367	4 753	1 158	29 810	34.2%	4.5%	38.7%
1968	10 820	1 150	11 971	11 241	4 164	980	28 356	38.2%	4.0%	42.2%
1967	9 024	940	9 963	9 969	3 217	894	24 023	37.6%	3.8%	41.4%
1966	10 396	872	11 269	10 364	2 357	862	24 852	41.8%	3.5%	45.3%
1965	11 138	847	11 984	9 549	1 947	787	24 267	45.9%	3.5%	49.4%
1964	9 308	671	9 979	9 216	1 770	762	21 727	42.8%	3.1%	45.9%
1963	9 109	631	9 740	8 640	1 340	653	20 373	44.7%	3.1%	47.8%
1962	8 197	505	8 702	7 598	1 048	651	17 999	45.5%	2.9%	48.4%
1961	6 653	387	7 040	6 582	1 092	514	15 228	43.7%	2.5%	46.2%
1960	7 905	398	8 303	6 824	811	550	16 488	47.9%	2.5%	50.4%
1959	6 724	368	7 092	6 242	457	125	13 916	48.3%	2.7%	51.0%
1958	5 121	356	5 478	5 412	314	85	11 289	45.4%	3.1%	48.5%
1957	7 220	414	7 634	4 309	327	130	12 400	58.2%	3.4%	61.6%
1956	6 919	471	7 390	3 886	249	150	11 675	59.3%	4.0%	63.3%
1955	9 204	452	9 656	3 742	168	62	13 628	67.5%	3.4%	70.9%
1954	6 537	352	6 889	3 238	166	55	10 348	63.2%	3.4%	66.6%
1953	7 349	486	7 835	2 412	146	44	10 437	70.4%	4.7%	75.1%
1952	5 562	434	5 996	2 163	101	64	8 324	66.8%	5.2%	72.0%
1951	6 757	415	7 172	2 114	38	29	9 353	72.2%	4.5%	76.7%
1950	8 006	391	8 397	2 128	32	20	10 577	76.2%	3.2%	79.4%

SOURCE: Compiled by the Motor Vehicle Manufacturers Association of the U.S., Inc. from various sources as shown in "MMA Motor Vehicle Facts and Figures '80" (for years 1950-1979) Motor Vehicle Manufacturers Association of the United States, Inc., 300 New Center Building, Detroit, Michigan 48202. All names of countries are the same as in the 1980 edition of MMA Motor Vehicle Facts and Figures. Data of motor vehicle production (especially for Asia and other are unchanged - as shown in 1980 edition).

NOTE: * In 1982 edition of MMA Motor Vehicle Facts and Figures '82 for the year 1980 and 1981 Asia is replaced by Japan, and Figures for Asia and other (1950-1979) are adjusted in 1982 edition between these two rows of figures, although World Total is not affected - figures are the same as in 1980 edition.

Figure RP 2 — World Motor Vehicle Production, 1950–1981

Highways and Roads





Highways and Roads

Table RP 3 — World Motor Vehicle Production, by Selected Countries, 1978, 1979 and 1981

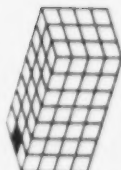
Country	1978			1979			1981		
	Passenger Cars	Trucks and Buses	TOTAL	Passenger Cars	Trucks and Buses	TOTAL	Passenger Cars	Trucks and Buses	TOTAL
Argentina	133 416	45 744	179 160	191 851	61 031	252 882	139 428	32 922	172 350
Australia	316 526	68 440	384 966	405 304	56 164	461 468	351 570	40 044	391 614
Austria	-	5 486	5 486	2 781	6 595	9 376	6 987	7 923	14 910
Belgium	265 765	37 495	303 260	278 259	36 738	314 997	216 055	41 401	257 456
Brazil	535 442	526 755	1 062 197	498 334	629 632	1 127 966	406 004	373 832	779 836
Canada	1 143 425	675 067	1 818 492	987 673	643 988	1 631 661	803 117	519 663	1 322 780
Czechoslovakia	175 585	42 983	218 568	182 090	49 697	231 787	181 785	46 268	228 053
France	3 111 380	396 550	3 507 930	3 220 394	393 064	3 613 458	2 611 864	407 506	3 019 370
Germany, East	171 000	36 700	207 700	173 500	36 500	210 000	178 000	40 000	218 000
Germany, West	3 890 176(1)	296 188	4 186 364	3 932 556(2)	317 169	4 249 725	3 577 807	319 200	3 897 007
Hungary	-	15 973	15 973	-	13 814	13 814	-	13 788	13 788
India	32 855	64 258	97 113	29 233	72 044	101 277	42 106	106 781	148 887
Italy	1 508 597	147 967	1 656 564	1 480 991	151 167	1 632 158	1 257 340	176 403	1 433 743
Japan	5 975 968	3 293 185	9 269 153	6 175 771	3 459 775	9 635 546	6 974 131	4 205 831	11 179 962
Mexico	242 519	141 608	384 127	280 049	164 377	444 426	355 497	241 621	597 118
Netherlands	64 881	11 316	76 197	90 000	16 850	106 850	76 125	11 878	88 003
Poland	340 000	77 500	417 500	358 800	70 000	428 800	244 600	48 200	292 800
Portugal	-	592	592	-	259	259	-	98	98
Romania	72 000	48 000	120 000	72 200	51 000	123 200	76 000	51 000	127 000
Spain	986 116	157 715	1 143 831	965 809	157 109	1 122 918	855 325	132 149	987 474
Sweden	254 256	51 278	305 534	296 540	58 280	354 820	258 261	55 286	313 547
Switzerland	100	1 201	1 301	-	1 464	1 464	-	1 178	1 178
United Kingdom	1 222 949	384 518	1 607 467	1 070 452	408 060	1 478 512	954 650	229 555	1 184 205
United States	9 176 635	3 722 567	12 899 202	8 433 662	3 046 331	11 479 993	6 253 138	1 682 893	7 936 031
U.S.S.R.	1 312 000	839 000	2 151 000	1 314 000	859 000	2 173 000	1 324 000	868 600	2 192 600
Yugoslavia	252 075	27 684	279 759	285 262	29 848	315 110	257 000	31 000	288 000
Total	31 183 666	11 115 770	42 299 436	30 725 511	10 789 956	41 515 467	27 400 790	9 685 020	37 085 810

NOTE: As far as possibly can be determined, production in this table refers to vehicles locally manufactured.

(1) Includes 264 675 micro-buses.

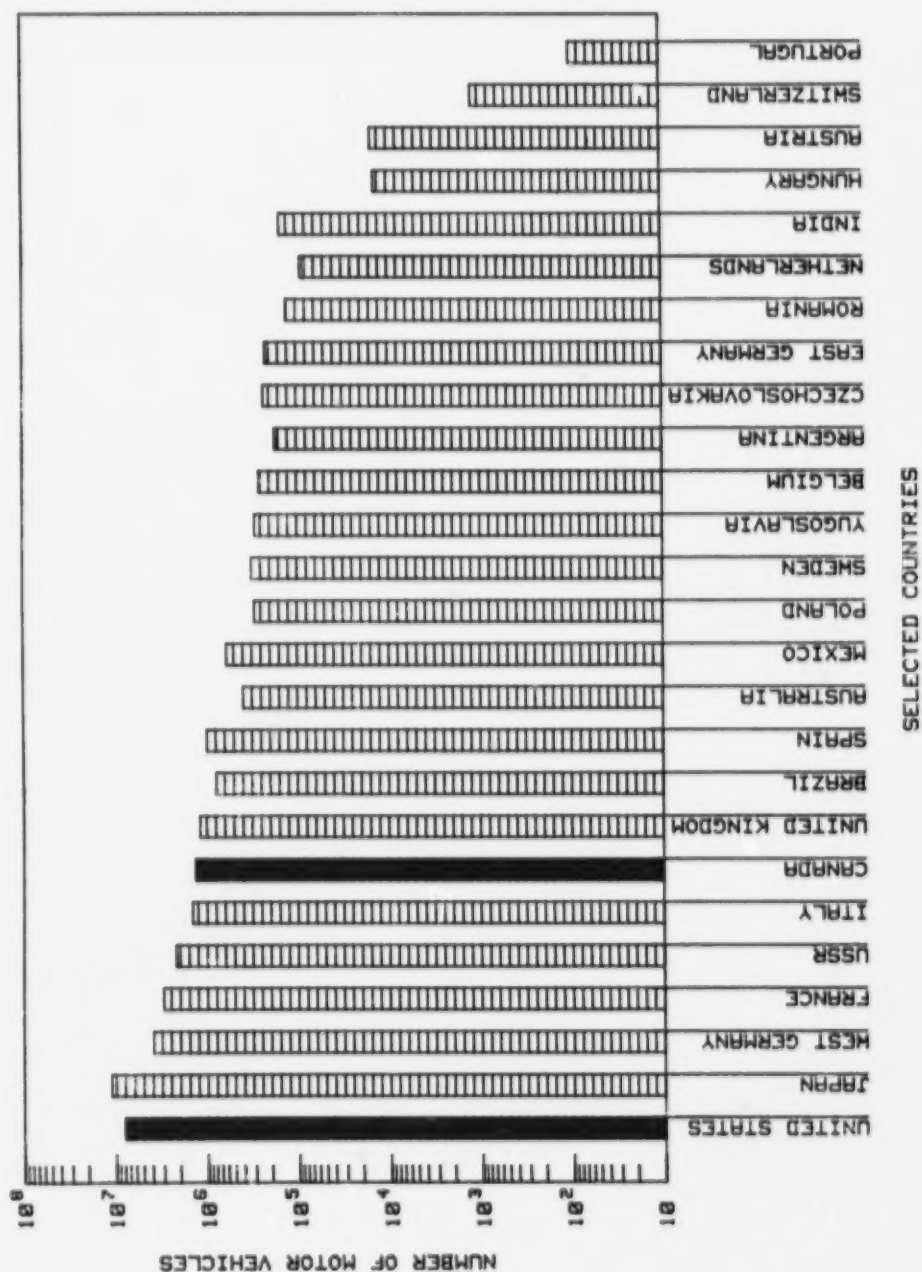
(2) Includes 274 896 and 296 572 micro-buses in 1979 and in 1981 respectively.

SOURCE: Compiled by the Motor Vehicle Manufacturers Association of the U.S., Inc. from various sources, as shown in MVA MOTOR VEHICLE FACTS AND FIGURES '80 and '82, Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, Michigan, U.S.A.



Highways and Roads

Figure RP 3 — World Motor Vehicle Production, by Selected Countries, 1981



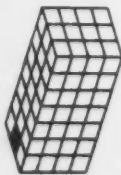
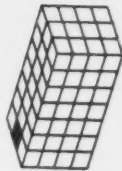


Table RP 4 — Annual Motor Vehicle Factory Sales from United States and Canadian Plants, 1965—1981

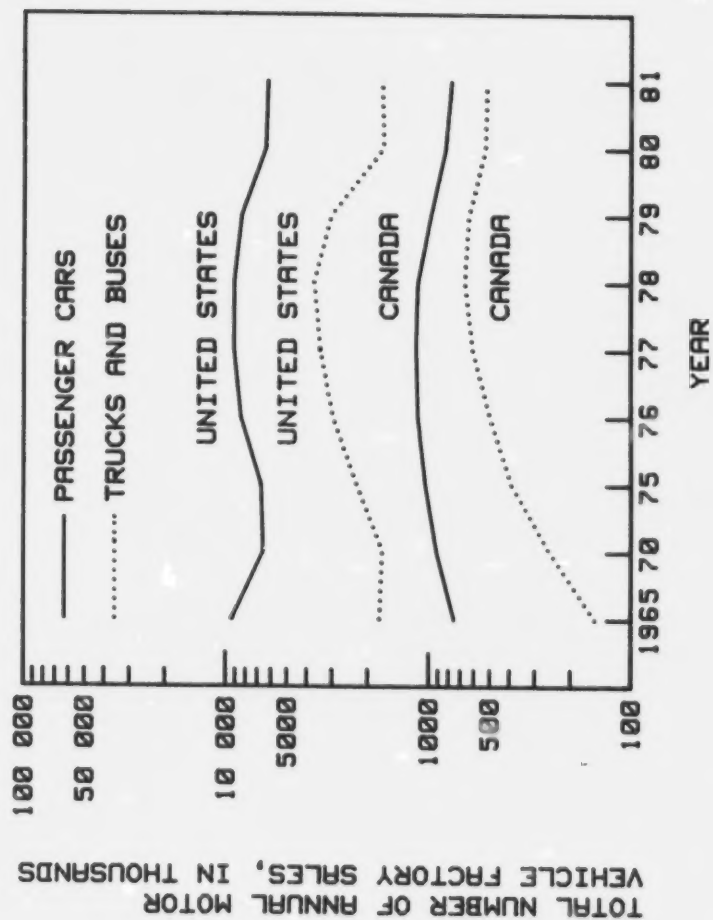
Year	-----PLANTS IN THE UNITED STATES-----				-----PLANTS IN CANADA-----			
	U.S. Total	Exports To Canada	Other Exports	U.S. Domestic	Canada Total	Exports To U.S.	Other Exports	Canada Domestic
PASSENGER CARS								
1981	6 255 340	454 567	51 398	5 749 375	772 137	516 430	102 095	153 612
1980	6 400 026	488 857	70 864	5 840 305	827 124	539 239	86 297	201 588
1979	8 419 226	582 097	158 991	7 678 138	973 174	582 386	92 728	298 060
1978	9 165 190	541 552	130 075	8 493 563	1 127 573	764 835	107 037	255 701
1977	9 200 849	586 073	102 308	8 512 468	1 155 701	831 994	87 148	236 559
1976	8 500 305	562 635	97 167	7 840 503	1 134 644	808 788	75 331	250 525
1975	6 712 852	549 353	90 199	6 073 300	1 043 245	713 407	58 149	271 689
1970	6 546 817	245 746	113 753	6 187 318	919 232	681 872	30 427	206 933
1965	9 305 561	46 540	158 334	9 100 687	750 777	33 862	39 771	677 144
TRUCKS AND BUSES								
1981	1 700 908	89 030	98 282	1 513 596	514 526	303 646	58 567	152 313
1980	1 667 283	86 420	117 055	1 463 808	525 968	290 529	47 228	188 211
1979	3 036 706	158 394	137 231	2 741 081	633 075	348 231	43 861	240 983
1978	3 706 239	138 970	151 621	3 415 648	662 299	396 935	51 195	214 169
1977	3 441 521	135 078	127 423	3 179 020	605 484	347 592	47 278	210 614
1976	2 979 476	128 524	116 855	2 734 097	497 914	265 623	44 065	188 226
1975	2 272 160	133 701	135 701	2 002 758	390 065	181 165	47 742	161 158
1970	1 692 440	53 646	73 125	1 565 669	252 079	157 532	32 429	62 118
1965	1 751 805	9 550	126 311	1 615 944	151 214	7 001	15 525	128 688

SOURCE: Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, Michigan, U.S.A., 48202 as shown in "HVMA MOTOR VEHICLE FACTS AND FIGURES '82".



Highways and Roads

Figure RP 4 — Annual Motor Vehicle Factory Sales from United States and Canadian Plants, 1965–1981



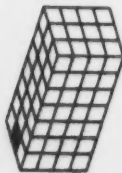
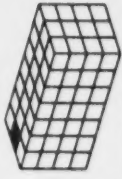


Table RP 5 - Gross Sales of Gasoline for Motive Purposes, Excluding Aviation, 1974-1980

YEAR	CANADA	ONTARIO	ONTARIO AS % OF CANADA	NOTE:	
		GALLONS			
1974	7 237 000 000*	2 635 986 180	36.4%	* Rounded to reflect level of rounding in British Columbia figures.	
1975	7 592 000 000*	2 767 510 583	36.5%		
1976	7 680 202 003	2 734 125 583	35.6%		
1977	7 868 940 496	2 782 327 346	35.4%		
1978	8 118 888 195	2 845 066 948	35.0%		
		LITRES**			
1974	32 900 000 000*	11983 430 414	36.4%	**Components may not add to totals due to rounding. The statistics were collected by Statistics Canada from 10 provincial and two territorial government departments responsible for collecting fuel tax and maintaining records for motive fuel sales. Tabulation presents data on sales of gasoline for road transport purposes plus gasoline of the type used by road vehicles which was consumed in off-highway activities such as farming, forestry or mining. Excluded from this table are sales of aviation gasoline, aviation turbo-fuel, marine transport fuels as well as all fuels used for industrial power or similar non-transportation purposes.	
1975	34 514 000 000*	12 581 352 186	36.5%		
1976	34 914 889 523	12 429 580 972	35.6%		
1977	35 772 911 696	12 648 710 523	35.4%		
1978	36 909 196 434	12 933 930 403	35.0%		
1979	38 319 444 415	13 311 785 013	34.7%		
1980	38 037 382 196	13 359 965 925	35.1%		

SOURCE:

ROAD MOTOR VEHICLES, Fuel Sales, 1978, Catalogue 53-218 Annual, Statistics Canada, Ottawa, Ontario, August 1979, pp. 8-9.
ROAD MOTOR VEHICLES, Fuel Sales, 1980, Catalogue 53-218 Annual, Statistics Canada, Ottawa, Ontario, September 1981, pp 8-9.



Highways and Roads

Figure RP 5 — Gross Sales of Gasoline for Motive Purpose, Excluding Aviation, 1974–1980

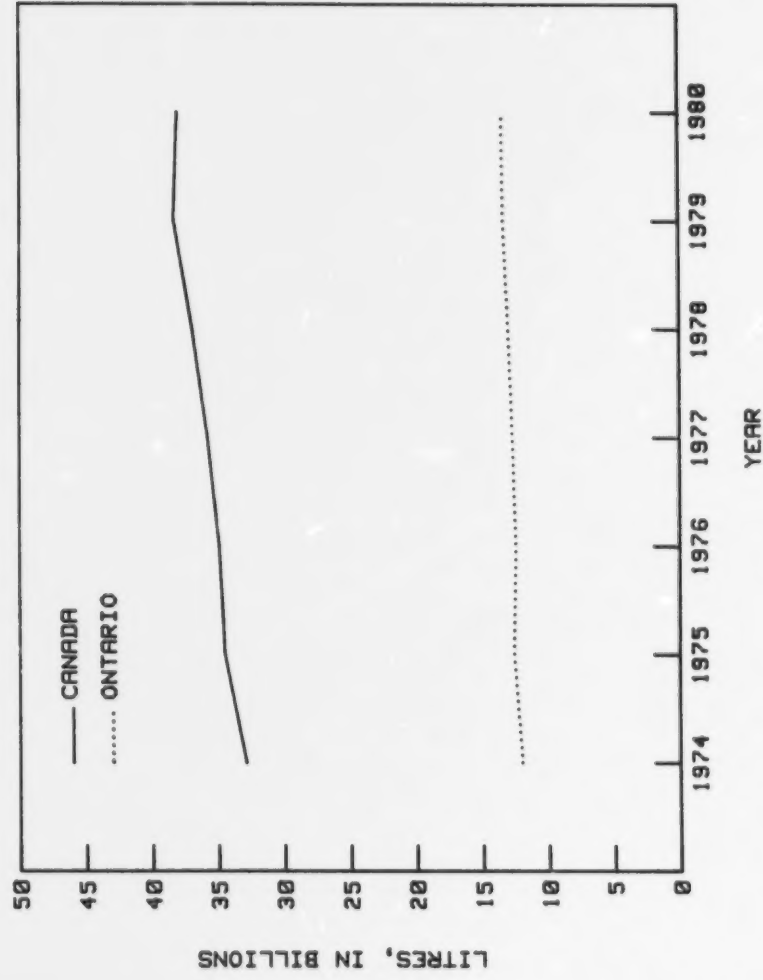




Table RP 6 - Fuel Consumption and Cost, Motor Vehicle Classes I, II and III, 1978 and 1980

	1978			1980*		
	CANADA	ONTARIO	PERCENTAGE ONTARIO	CANADA	ONTARIO	PERCENTAGE ONTARIO
Establishments Reporting	3 589	988	27.5%	4 320	1 122	26.0%
CANADIAN FUEL:						
Gasoline	89 469 651	31 872 427	35.6%			
litres	406 736 977	144 894 886	35.6%	413 408 460	163 526 340	39.5%
Diesel	307 879 046	119 637 735	38.9%			
litres	1 399 645 600	543 883 814	38.9%	1 494 478 060	528 164 862	35.3%
Total	397 348 697	151 510 162	38.1%			
litres	1 806 382 577	688 778 700	38.1%	1 907 886 520	691 691 202	36.2%
UNITED STATES FUEL:						
Gasoline	424 087	148 991	35.1%			
litres	1 605 338	563 990	35.1%	1 273 745	991 586	77.8%
Diesel	8 798 683	3 276 627	37.2%			
litres	33 306 530	12 403 344	37.2%	49 628 287	21 614 165	43.5%
Total	9 222 770	3 425 618	37.1%			
litres	34 911 868	12 967 334	37.1%	50 902 032	22 605 751	44.4%
TOTAL FUEL COST (Including Fuel Tax) \$	313 676 775	119 623 267	38.1%	449 529 058	160 025 229	35.6%

NOTE:

Classes of Motor Carriers

Class I - Establishments which earned gross annual operating revenue of \$2 million or more in 1977.

Class II - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1977.

Class III - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1977.

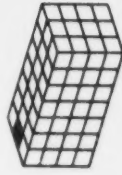
* The 1980 fuel consumption figures in litres only.

SOURCE:

MOTOR CARRIERS - FREIGHT AND HOUSEHOLD MOVERS, 1978, Catalogue 53-222, Annual, Statistics Canada, Ottawa, Ontario, June 1980, pp. 38-39.

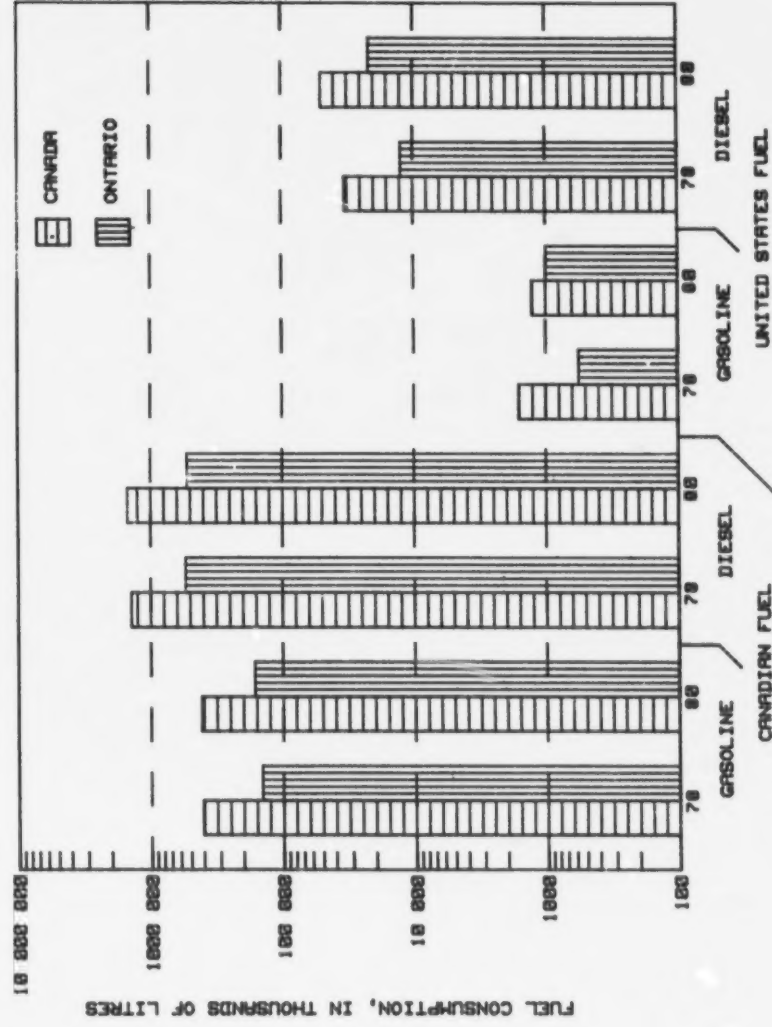
MOTOR CARRIERS - FREIGHT AND HOUSEHOLD MOVERS, 1980,

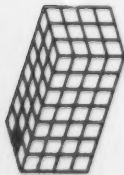
Catalogue 53-222 Annual, Statistics Canada, Ottawa, Ontario, August 1982, pp. 38-39.



Highways and Roads

Figure RP 6 - Fuel Consumption, Motor Carrier Classes I, II and III, in Canada and Ontario, 1978 and 1980



**Table RP 7 - Average Daily Vehicle-Kilometres of Travel on Ontario Highway Road Systems, 1978 and 1981**

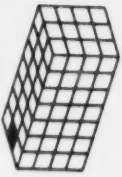
ROAD SYSTEM	1978		1981	
	km (1)	Veh km	km (6)	Veh km
King's Highways	15 854.1	85 053 967 (3)	15 860.9	89 263 273 (7)
Secondary Highways	5 184.3	1 988 242 (3)	5 344.7	2 215 045 (7)
Tertiary Roads	406.0	45 459 (3)	381.7	46 527 (7)
Upper Tier (2)	20 101.0	53 666 048 (4)	20 684.5	57 481 300 (8)
Organized Townships	74 673.5	9 786 200 (4)	75 345.4	10 457 200 (8)
Unorganized Townships	10 103.4	562 440 (4)	9 638.0	592 700 (8)
Local Urban	33 093.5	57 130 560 (4)	34 804.9	64 267 500 (8)
TOTAL	159 415.8	208 239 916 (5)	161 596.4	224 323 545

NOTE:

- (1) From Directive B-4 79 10 04
- (2) County, Regional and Metro Roads combined
- (3) From 1979 Highway Inventory results
- (4) From Municipal Roads Inventory and estimates
- (5) "Gas Tax" method gives 189 910 000 (e.g., low)
- (6) From Directive B4 1982 09 09

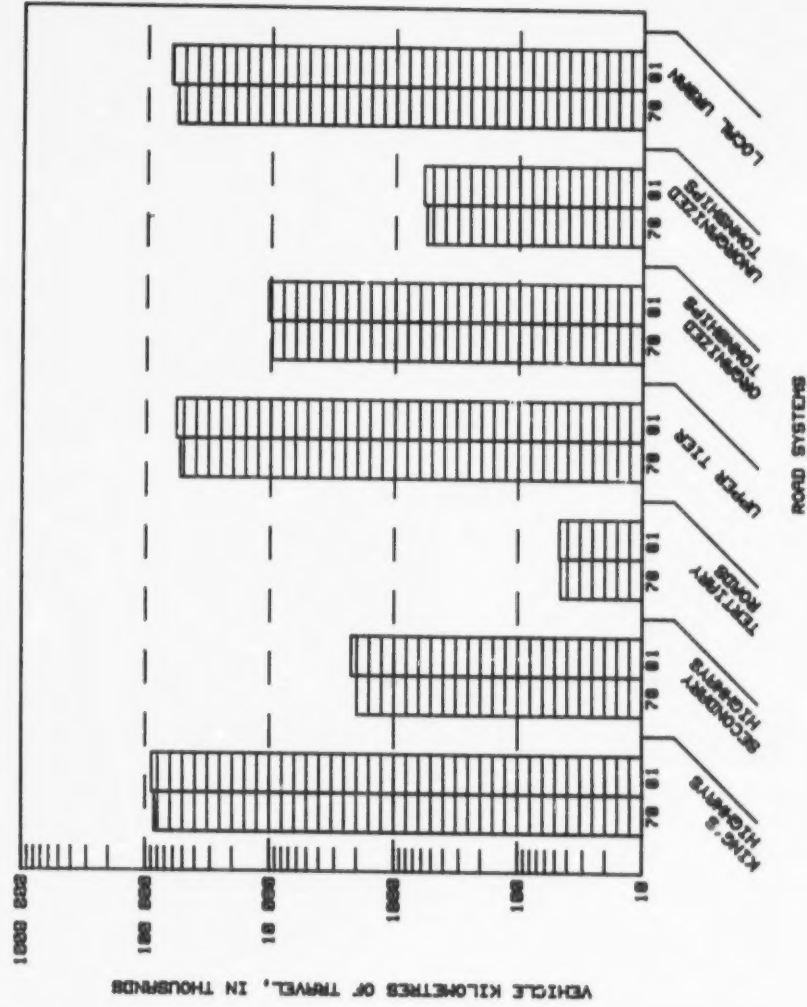
SOURCE:

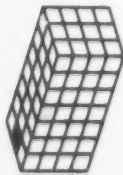
Figures above obtained from a special survey done by mutual efforts of several MTC offices - courtesy of Mr. P.T. Froggatt, Highway Program Development Branch, Ontario Ministry of Transportation and Communications.
The 1981 figures (7) supplied by Roy Mingay, Senior Needs Analyst, Highway Program Planning Office, and data (8) supplied by L.J. Ellerker, System Development and Inventory Engineer, Municipal Roads Office.



Highways and Roads

Figure RP 7 — Average Daily Vehicle - Kilometres of Travel on Ontario Highway Road Systems, 1978 and 1981





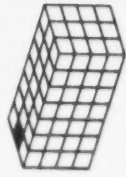
Highways and Roads

Table RP 8 — Estimated Road Mileage — Road Distance in Kilometres Based on Taxable Gallonage/Litres of Motor Fuel Consumption,
in Ontario, 1979

MONTH	GASOLINE	DIESEL OIL	TOTAL	TOTAL MILES* KILOMETRES**
January	Gal 211 427 531 Lit 961 034 230	27 471 017 124 868 258	238 898 548 1 085 902 488	3 277 688 079 5 274 927 644
February	Gal 211 175 207 Lit 959 887 304	34 642 484 157 465 834	245 817 691 1 117 353 138	3 372 618 721 5 427 703 703
March	Gal 212 779 476 Lit 967 179 432	22 004 200 100 019 092	234 783 676 1 067 198 524	3 221 232 035 5 184 070 448
1st QUARTER	Gal 635 382 214 Lit 2 888 100 966	84 177 002 382 353 184	719 499 913 3 270 454 150	9 871 538 806 15 886 701 748
April	Gal 214 767 516 Lit 976 215 981	29 688 969 134 949 861	244 456 485 1 111 165 842	3 353 942 974 5 397 648 002
May	Gal 254 434 560 Lit 1 156 520 728	34 465 961 156 663 457	288 900 521 1 313 184 185	3 963 715 148 6 378 981 191
June	Gal 256 828 712 Lit 1 167 403 237	39 390 587 179 048 121	296 219 299 1 346 451 358	4 064 128 782 6 540 581 271
2nd QUARTER	Gal 726 030 788 Lit 3 300 139 946	103 545 517 470 061 439	829 576 305 3 770 801 385	11 381 786 905 18 317 210 465
6 MONTHS	Gal 1 361 413 002 Lit 6 188 240 912	187 663 217 853 014 623	1 549 076 218 7 041 255 535	21 253 325 711 34 203 912 213
July	Gal 268 689 216 Lit 1 221 314 614	34 751 472 157 961 237	303 440 687 1 379 275 851	4 163 206 226 6 700 030 961
August	Gal 275 301 529 Lit 1 251 370 585	43 476 664 197 621 201	320 778 193 1 458 991 786	4 403 820 808 7 087 262 594
September	Gal 232 001 367 Lit 1 054 551 668	28 101 970 127 736 226	260 103 337 1 182 287 894	3 568 617 784 5 743 133 619
3rd QUARTER	Gal 755 992 112 Lit 3 527 236 867	106 330 106 483 318 664	882 322 217 4 010 555 531	12 105 460 817 19 481 850 737
9 MONTHS	Gal 2 137 405 114 Lit 9 715 447 779	293 993 323 1 336 333 287	2 431 391 835 11 051 781 066	33 358 695 976 53 685 617 217
October	Gal 254 709 242 Lit 1 157 769 279	38 639 122 175 632 371	293 348 363 1 333 401 650	4 024 739 540 6 477 190 430
November	Gal 235 482 298 Lit 1 070 374 078	36 373 524 166 697 837	272 155 821 1 237 071 915	3 733 177 864 6 009 254 872
December	Gal 235 500 989 Lit 1 070 459 040	36 206 436 164 574 711	271 707 425 1 235 033 751	3 727 825 871 5 999 354 199
4th QUARTER	Gal 735 692 529 Lit 3 298 602 397	111 519 082 506 904 919	837 211 610 3 805 507 316	11 486 543 289 18 485 799 523
TOTAL	Gal 2 863 097 643 Lit 13 014 050 176	405 512 405 1 843 238 206	3 268 603 444 14 857 288 382	44 845 239 252 72 171 562 469

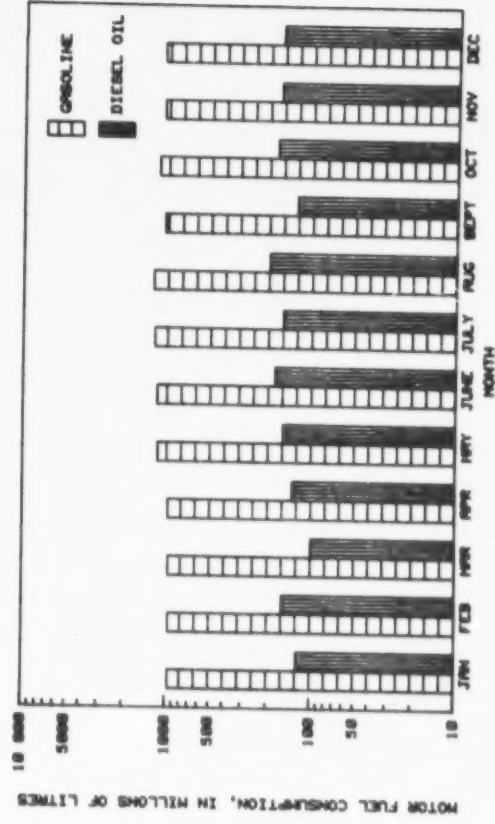
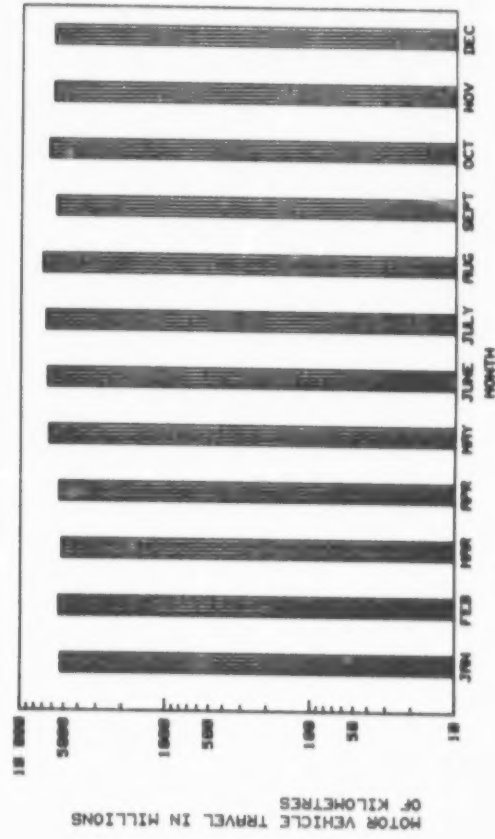
NOTE: *Estimates based on an average of 13.72 miles per gasoline gallon.
**Kilometres travelled estimated on the basis of 22.08 kilometres per gallon of taxed gasoline and motor fuel (diesel oil).

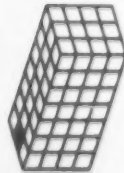
SOURCE: COLLISION & LICENSING RECORDS SAFETY & REGULATIONS, Ontario Ministry of Transportation and Communications.



Highways and Roads

Figure RP 8 — Estimated Road Mileage — Road Distance in Kilometres Based on Taxable Gallonage/Litres of Motor Fuel Consumption, in Ontario, 1979





Highways and Roads

Table RP 9 - Estimated Road Mileage - Road Distance in Kilometres Based on Taxable Gallonage/Litres of Motor Fuel Consumption, in Ontario, 1981

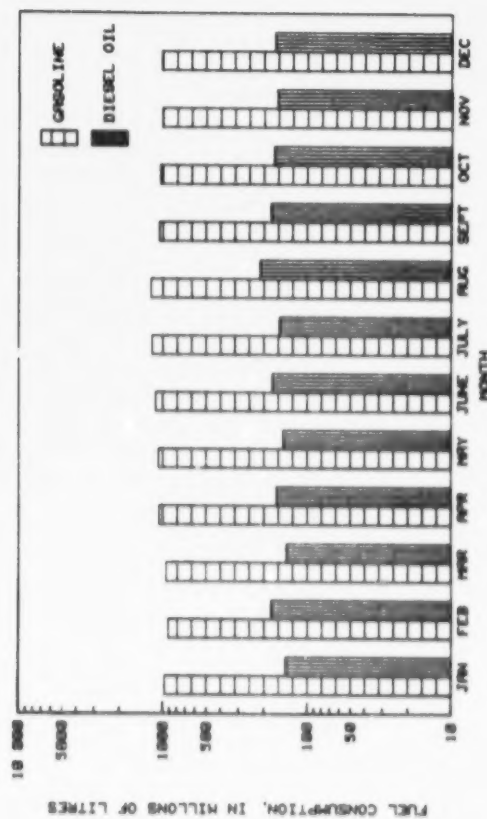
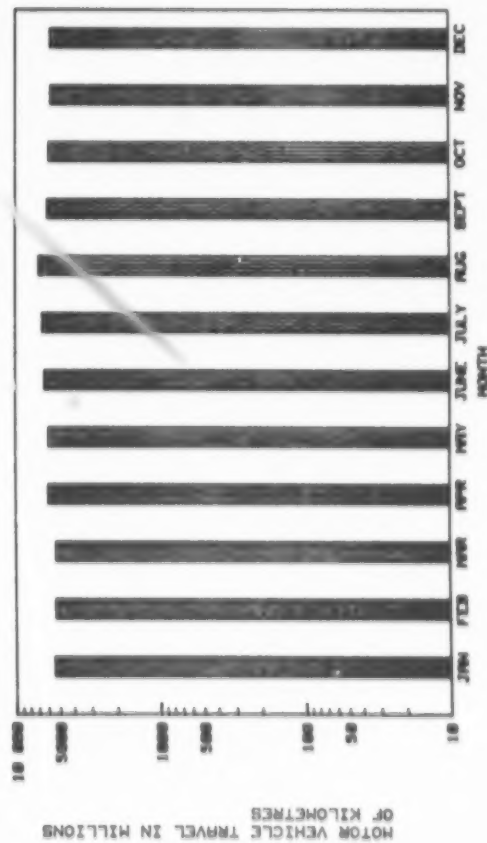
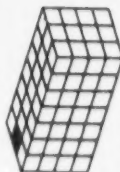
MONTH		1980				1981			
		GASOLINE	DIESEL OIL	TOTAL	TOTAL MILES**	GASOLINE	DIESEL OIL	TOTAL	TOTAL MILES**
January	Gal	208 697 511	27 787 004	236 484 515	3 244 567 546	214 196 742	31 340 874	245 537 616	3 368 776 092
	Lit	948 625 051	126 304 565	1 074 929 616	5 221 625 313	973 621 556	142 458 520	1 116 080 076	5 421 519 591
February	Gal	221 732 932	37 795 994	259 528 926	3 560 736 865	201 728 347	35 196 127	236 924 474	3 305 511 223
	Lit	1 007 876 964	171 799 974	1 179 676 938	5 730 450 509	916 947 032	176 173 303	1 093 120 335	5 319 704 654
March	Gal	196 621 944	224 147 341	420 769 285	3 075 301 519	208 813 944	30 683 904	239 597 898	3 287 283 161
	Lit	893 736 110	125 115 439	1 018 851 549	4 949 218 048	949 609 065	139 472 291	1 089 081 356	5 290 369 431
1st QUARTER	Gal	627 052 387	93 108 396	720 160 783	9 680 605 943	624 539 083	101 222 995	726 061 988	9 961 570 476
	Lit	2 850 238 125	423 219 978	3 273 458 103	15 901 293 891	2 840 177 653	460 104 114	3 300 281 767	16 031 593 676
April	Gal	225 025 918	33 081 283	258 107 201	3 541 230 796	233 532 429	35 934 934	269 466 463	3 697 079 872
	Lit	1 022 945 081	150 369 468	1 173 314 549	5 699 058 537	1 061 511 041	163 336 516	1 224 847 557	5 949 873 310
May	Gal	246 155 697	34 765 186	280 920 883	3 895 394 715	235 538 100	32 341 158	267 879 258	3 675 303 420
	Lit	1 132 525 896	158 023 572	1 290 549 469	6 269 029 790	1 070 627 729	147 005 264	1 217 632 993	5 914 827 507
June	Gal	246 847 505	33 907 048	280 754 553	3 851 952 467	246 872 390	38 382 711	285 255 101	3 913 699 986
	Lit	1 122 034 114	154 122 844	1 276 157 058	6 199 116 591	1 122 147 225	174 466 869	1 296 614 094	6 298 489 590
2nd QUARTER	Gal	721 029 120	101 753 517	822 782 637	11 268 517 780	715 942 919	106 657 903	822 600 822	11 286 083 278
	Lit	3 277 405 091	482 515 984	3 759 921 075	18 167 204 919	3 254 285 995	484 808 649	3 739 094 644	18 163 190 407
6 MONTHS	Gal	1 348 091 508	93 108 395	1 542 943 419	21 169 183 709	1 340 782 002	207 880 858	1 548 662 810	21 247 653 754
	Lit	6 127 643 216	885 735 962	7 013 379 178	34 068 486 787	6 094 463 648	944 912 763	7 039 376 411	34 194 784 032
July	Gal	273 188 511	35 568 352	308 756 863	4 236 148 160	260 566 342	34 305 172	294 871 514	4 045 637 172
	Lit	1 241 765 961	161 674 237	1 403 440 298	6 617 413 187	1 184 392 463	155 932 601	1 340 325 064	6 510 821 909
August	Gal	263 275 345	30 310 222	293 585 567	4 027 993 979	265 346 422	46 620 261	311 966 683	4 280 182 891
	Lit	1 196 706 112	137 773 736	1 334 479 848	6 482 427 942	1 206 120 101	211 910 277	1 418 030 378	6 888 286 655
September	Gal	258 666 675	45 195 721	303 862 396	4 168 992 073	232 520 635	39 164 372	271 685 007	3 727 518 296
	Lit	1 175 757 615	205 435 095	1 381 192 710	6 168 992 379	1 056 911 978	178 019 873	1 234 931 851	5 998 859 204
3rd QUARTER	Gal	795 130 531	111 074 295	906 204 826	12 433 130 213	758 433 399	120 089 805	878 523 204	12 053 338 358
	Lit	3 614 229 688	504 883 158	4 119 112 846	20 009 183 510	3 447 424 542	545 862 751	3 993 287 293	19 397 967 766
9 MONTHS	Gal	2 143 212 039	204 182 690	2 449 148 245	33 602 313 921	2 099 215 401	327 970 613	2 427 186 014	33 300 992 112
	Lit	9 741 872 904	1 390 619 120	11 132 492 024	54 077 682 295	9 541 888 190	1 490 775 514	11 032 663 704	53 592 751 849
October	Gal	253 493 138	39 186 616	292 679 754	4 015 566 225	228 450 008	37 377 733	265 827 741	3 647 156 506
	Lit	1 152 241 535	178 120 981	1 330 362 516	6 462 427 411	1 038 409 130	169 898 785	1 208 307 915	5 860 529 850
November	Gal	219 038 588	37 340 042	256 378 630	3 517 514 804	222 352 015	35 545 192	257 897 207	3 538 349 680
	Lit	995 629 944	169 727 467	1 165 357 411	5 660 891 345	1 010 690 979	161 569 056	1 172 260 035	5 694 421 857
December	Gal	345 309 343	39 582 843	384 892 186	3 908 720 792	223 510 401	36 864 549	260 374 950	3 572 344 314
	Lit	1 154 042 467	179 922 016	1 294 964 483	6 290 476 354	1 015 956 361	167 566 136	1 183 522 505	5 749 130 887
4th QUARTER	Gal	717 841 068	116 109 502	833 950 570	11 441 801 820	674 312 424	109 787 474	784 099 898	10 757 850 600
	Lit	3 262 913 946	527 770 464	3 790 684 410	18 413 795 108	3 065 056 478	499 033 977	3 564 090 455	17 313 062 314
TOTAL	Gal	2 861 953 107	422 045 708	3 283 998 815	45 044 115 742	2 773 527 825	437 758 087	3 211 285 912	44 058 842 712
	Lit	13 004 786 050	1 918 389 584	14 923 176 434	72 491 477 405	12 606 944 668	1 989 809 491	14 596 754 159	70 905 834 163

NOTE: *Estimates based on an average of 13.72 miles per gasoline gallon.
**Kilometres travelled estimated on the basis of 22.08 kilometres per gallon of tared gasoline and motor fuel (diesel oil).

SOURCE: COLLISION & LICENSING RECORDS SAFETY & REGULATIONS, MTC 1980;
SAFETY CO-ORDINATION AND DEVELOPMENT OFFICE, MTC, 1982.

Figure RP 9 — Estimated Road Mileage — Road Distance in Kilometres Based on Taxable Gallonage/Litres of Motor Fuel Consumption, in Ontario, 1981

Highways and Roads



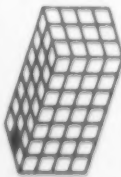


Table RP 10 - Ontario King's Highways, Percent of Travel on Adequate Roads, Now Period, 1979-1982

	1979	1980	1981	1982
Province	83.1%	82.8%	85.0%	85.3%
Southern Ontario	81.2%	80.9%	83.4%	83.6%
Northern Ontario	96.6%	96.6%	97.8%	98.1%
Southwestern	97.1%	96.6%	95.0%	97.1%
Central	68.7%	68.7%	83.3%	82.3%
Eastern	87.4%	88.9%	91.9%	92.4%
Northern	95.0%	92.5%	94.3%	97.0%
Northwestern	98.3%	98.3%	99.2%	99.0%

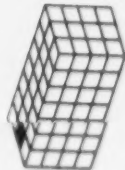
EXPLANATORY NOTES RE: 1979 AND 1980 YEARS

- Traffic service adequacy has remained stable for the Province, Northern and Southern Ontario.
- Improvement in Eastern Region.
- More D.M.V. km on deficient roads in Northern Region.
- Average % travel adequate road is 88.9%.
- Central Region is 20% below the regional average.

SOURCE: 1/ PROVINCIAL HIGHWAY STATUS OF THE SYSTEMS BASED ON THE 1980 INVENTORY UPDATE.

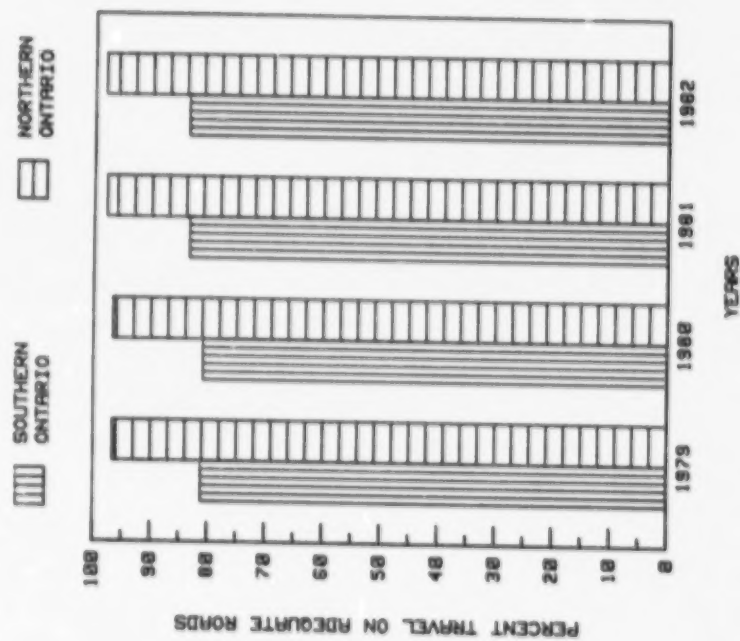
Prepared by O. Maier, Program Policy and Analysis Section, Highway Program Development Branch, Ontario Ministry of Transportation and Communications, November 1980.

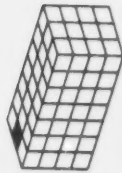
2/ Roy Mingay, Senior Needs Analyst, Highway Program Planning Office, August 1983, (1981 and 1982 data).



Highways and Roads

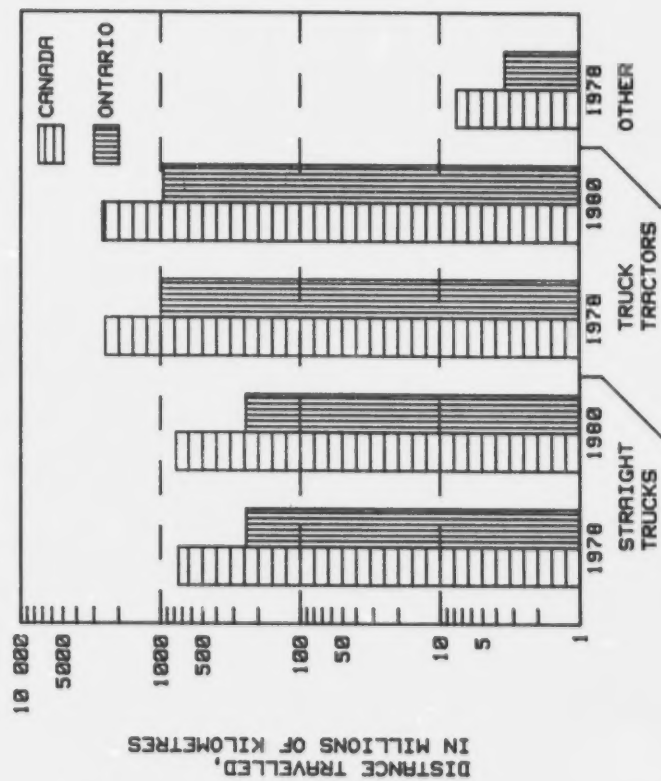
Figure RP 10 — Ontario Kings' Highways, Percent of Travel on Adequate Roads, Now Period, 1979–1982



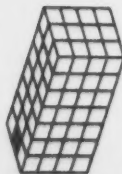


Highways and Roads

Figure RP 11 — Estimated Annual Distance Travelled, by Motor Carrier Classes I, II and III, 1978 and 1980



MOTOR CARRIER CLASSES I, II, III



Highways and Roads

Table RP 12 - Summary of Travel Experience and Accident Data in Ontario, 1968-1982

YEAR	FREEWAYS			KING'S HWY.			SEC. HWYS			HWYS OVERALL			OTHER ROADS			PROVINCIAL TOTAL		
	ACC.	Mv. km	RATE	ACC.	Mv. km	RATE	ACC.	Mv. km	RATE	ACC.	Mv. km	RATE	ACC.	Mv. km	RATE	ACC.	Mv. km	RATE
1968	7 539	7 038.6	1.1	26 611	13 379.4	2.0	1322	535.6	2.5	35 472	20 953.6	1.7	119 655	22 030.6	5.4	155 127	42 984.2	3.6
1969	8 444	7 635.7	1.1	25 347	12 887.6	2.0	1313	528.7	2.5	35 104	21 052.0	1.7	134 291	25 007.6	5.4	169 395	46 059.6	3.7
1970	7 900	8 415.3	0.9	20 465	13 375.7	1.5	1065	571.1	1.9	29 430	22 362.1	1.3	112 170	26 005.0	4.3	141 600	48 367.1	2.9
1971	8 573	9 015.2	1.0	24 153	14 216.1	1.7	1352	656.4	2.1	34 078	23 887.7	1.4	124 753	26 679.0	4.7	158 831	50 566.7	3.1
1972	11 591	10 010.7	1.2	25 433	14 630.9	1.7	1292	645.8	2.0	38 316	25 287.4	1.5	151 178	30 844.7	4.9	189 444	56 132.1	3.4
1973	12 240	11 006.3	1.1	24 793	14 802.5	1.7	1214	646.3	1.9	38 247	26 455.0	1.4	154 774	34 357.2	4.5	193 021	60 812.2	3.2
1974	12 600	11 642.4	1.1	25 321	15 013.7	1.7	1280	584.1	2.2	39 201	27 240.2	1.4	165 070	36 193.9	4.6	204 271	63 434.1	3.2
1975	12 795	12 322.3	1.0	27 561	15 648.6	1.8	1372	579.3	2.4	41 728	28 550.2	1.5	171 661	35 872.4	4.8	213 689	64 422.6	3.3
1976	12 100	12 987.8	0.9	24 613	16 511.2	1.5	1402	664.0	2.1	38 115	30 163.0	1.3	173 750	34 784.5	5.0	211 865	64 947.5	3.3
1977	12 937	13 691.5	0.9	23 944	16 964.5	1.4	1185	693.9	1.7	38 066	31 349.9	1.2	180 621	34 840.4	5.2	218 687	66 190.3	3.3
1978	11 304	14 678.2	0.8	20 161	17 075.3	1.2	1080	700.6	1.5	32 545	32 454.1	1.0	153 818	36 862.9	4.2	186 363	69 317.0	2.7
1979	11 524	15 172.8	0.8	21 648	17 169.4	1.3	1252	733.8	1.7	34 424	33 076.0	1.0	162 772	39 085.0	4.2	197 196	72 161.4	2.7
1980	10 913	15 609.7	0.7	20 760	16 962.5	1.2	1287	765.8	1.7	32 960	33 338.0	1.0	163 541	39 153.5	4.2	196 501	72 491.5	2.7
1981	12 410	15 199.6	0.8	20 525	16 906.8	1.2	1266	787.0	1.6	34 229	32 908.4	1.0	164 143	37 997.6	4.3	198 372	70 906.0	2.8
1982	11 934	15 335.5	0.8	18 217	16 649.9	1.1	1216	807.7	1.5	31 381	32 804.3	1.0	156 562	33 479.7	4.7	187 943	66 284.0	2.8

NOTE:

In 1978, the rates show a drop in value. This may be due to the increase in the dollar value used in determining reportable accidents.

All reported freeway ramp accidents also have been excluded. Mv. is million vehicle kilometres of travel. ACC.- number of motor vehicle accidents. RATE - number of reportable accidents for a given year per million vehicle kilometres of travel.

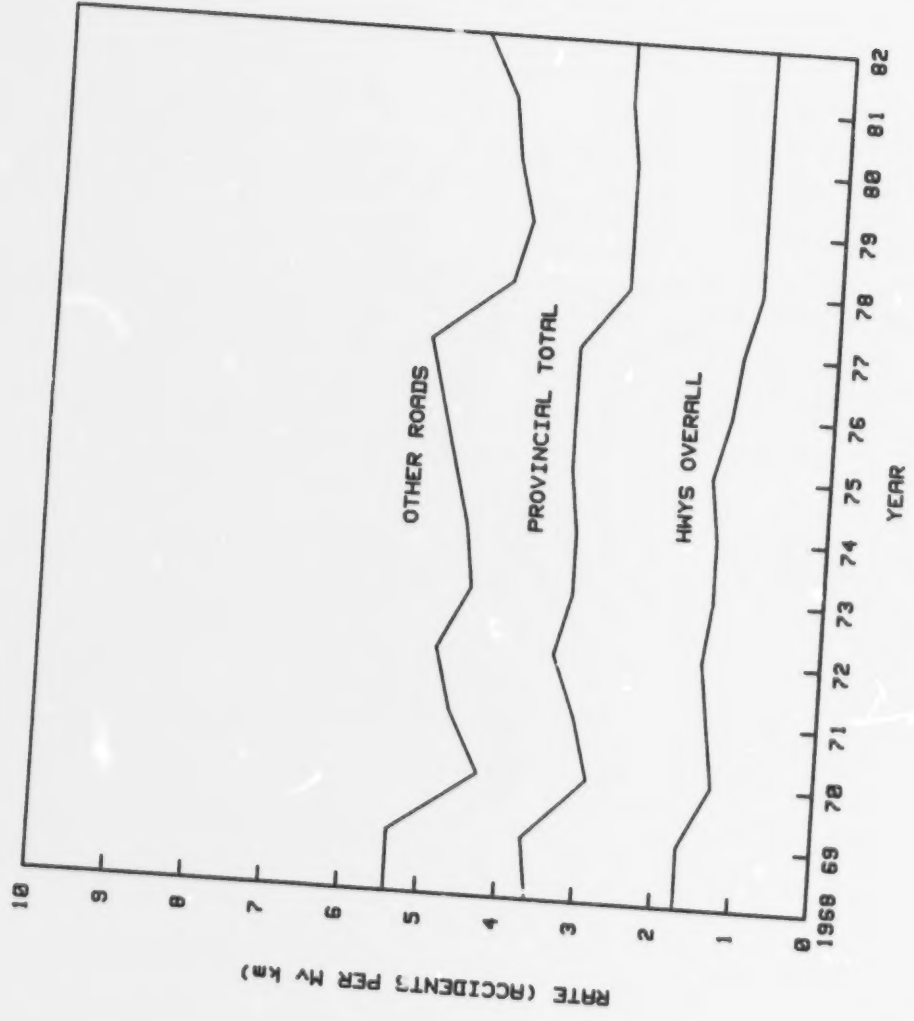
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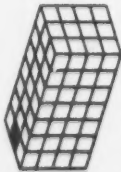
PROVINCIAL HIGHWAYS, TRAFFIC VOLUMES: 1981 KING'S HIGHWAY AND SECONDARY HIGHWAYS, Highway Program Development Branch, Highway Program Planning Office, Ontario Ministry of Transportation and Communications, June 1982.

Ross S. Critelli, Program Information Planner, Program Planning Information, Highway Program Planning Office, Ministry of Transportation and Communications, August 31, 1983 (1982 data).

Figure RP 12 - Ontario Accident Data, 1968-1982

Highways
and Roads

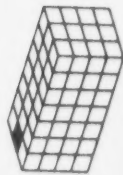




YEAR	ADEQUATE ROADS % (road kilometres)			% TRAVEL ON ADEQUATE ROADS (in vehicle kilometres)		
	NOW	NOW+(1-5)	NOW+(1-10)	NOW	NOW+(1-5)	NOW+(1-10)
1976	86 %	53 %	30 %	79 %	53 %	29 %
1977	86 %	52 %	27 %	81 %	50 %	25 %
1978	91 %	57 %	29 %	82 %	52 %	26 %
1979	93.1%	60.0%	30.7%	83.1%	51.9%	27.3%
1980	93.9%	61.3%	30.3%	82.8%	56.6%	29.4%
1981	96.2%	60.6%	29.2%	85.0%	53.7%	26.3%
1982	96.0%	59.9%	28.5%	85.3%	55.5%	26.5%

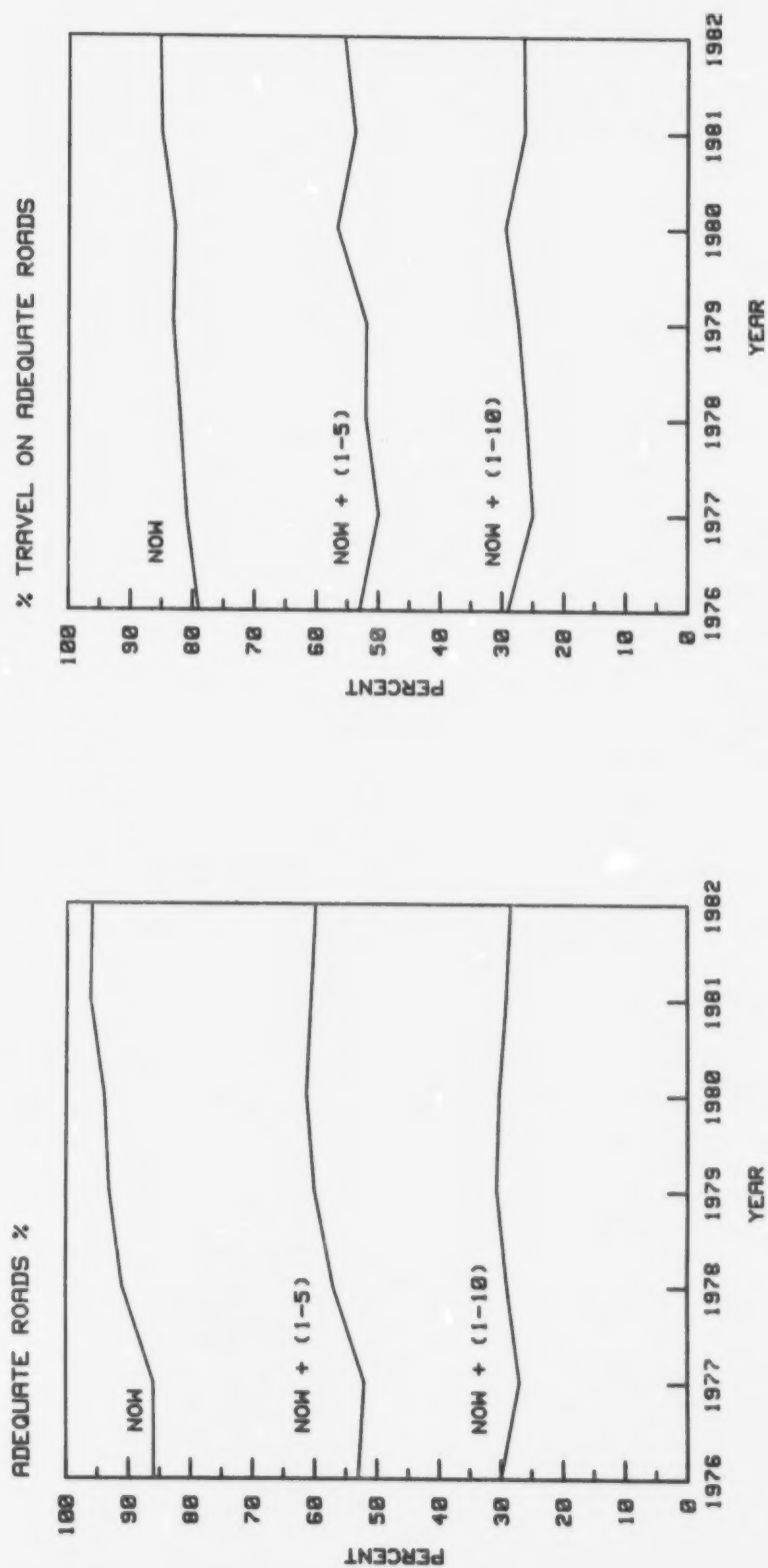
SOURCE: 1/ PROVINCIAL HIGHWAYS STATUS OF THE SYSTEMS BASED ON THE 1980 INVENTORY UPDATE. Prepared by O. Maier, Program Policy and Analysis Section, Highway Program Development Branch, Ontario Ministry of Transportation and Communications, November 1980.

2/ Roy Mingay, Senior Needs Analyst, Highway Program Planning Office, June 1983, (1981 and 1982 data).



Highways and Roads

Figure RP 13 — Ontario King's Highways, Quality of Service, Provincial Totals, 1976—1982



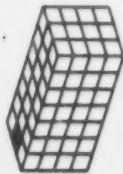
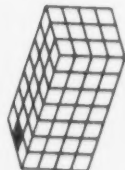


Table RP 14 — Ontario King's Highways, Quality of Service, Southern Ontario Totals, 1978–1982

YEAR	ADEQUATE ROADS % (road kilometres)			% TRAVEL ON ADEQUATE ROADS (in Vehicle Kilometres)		
	NOW	NOW+(1-5)	NOW+(1-10)	NOW	NOW+(1-5)	NOW+(1-10)
1978	90.2%	59.8%	32.5%	90.2%	59.8%	32.5%
1979	92.4%	60.3%	32.5%	81.2%	50.4%	32.5%
1980	93.7%	63.3%	34.2%	80.9%	56.1%	34.2%
1981	96.6%	61.3%	30.1%	83.4%	52.6%	26.0%
1982	96.7%	62.0%	29.9%	83.6%	54.9%	26.4%

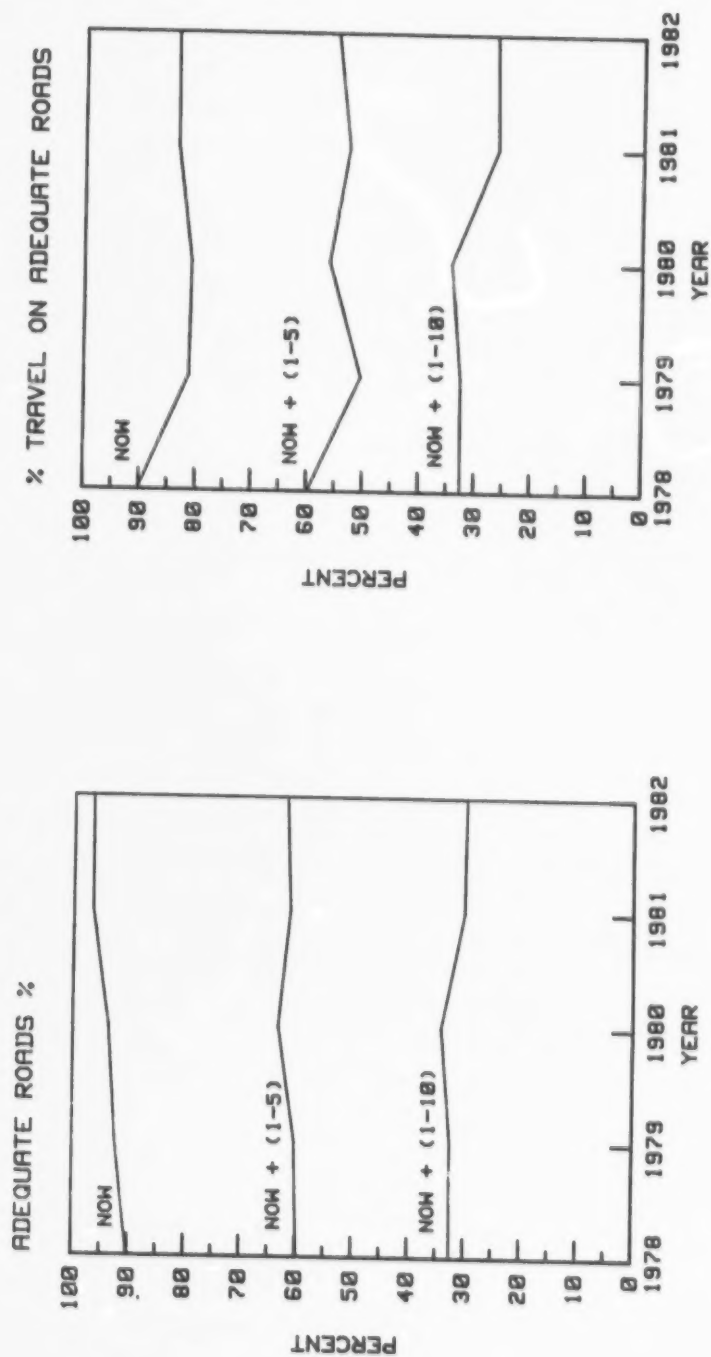
SOURCE: 1/ PROVINCIAL HIGHWAYS STATUS OF THE SYSTEMS BASED ON THE 1980 INVENTORY UPDATE. Prepared by O. Maier, Program Policy and Analysis Section, Highway Program Development Branch, Ontario Ministry of Transportation and Communications, November 1980.

2/ Roy Mingay, Senior Needs Analyst, Highway Program Planning Office, June 1983, (1981 and 1982 data).



Highways and Roads

Figure RP 14 — Ontario King's Highways, Quality of Service, Southern Ontario Totals, 1978 — 1982



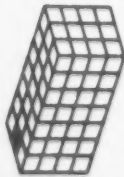


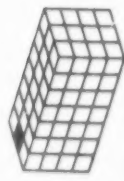
Table RP 15 — Ontario King's Highways, Quality of Service, Northern Ontario Totals, 1978-1982

YEAR	ADEQUATE ROADS % (road kilometres)			% TRAVEL ON ADEQUATE ROADS (in vehicle kilometres)		
	NOW	NOW+(1-5)	NOW+(1-10)	NOW	NOW+(1-5)	NOW+(1-10)
1978	93.4%	51.9%	21.3%	93.3%	51.9%	21.3%
1979	94.6%	53.9%	26.9%	94.6%	59.3%	26.9%
1980	94.3%	57.2%	22.6%	96.6%	60.6%	22.6%
1981	95.3%	59.3%	27.5%	97.8%	62.4%	28.8%
1982	94.6%	55.5%	25.7%	98.1%	59.7%	27.1%

SOURCE: 1/ PROVINCIAL HIGHWAYS STATUS OF THE SYSTEMS BASED ON THE 1980 INVENTORY UPDATE.

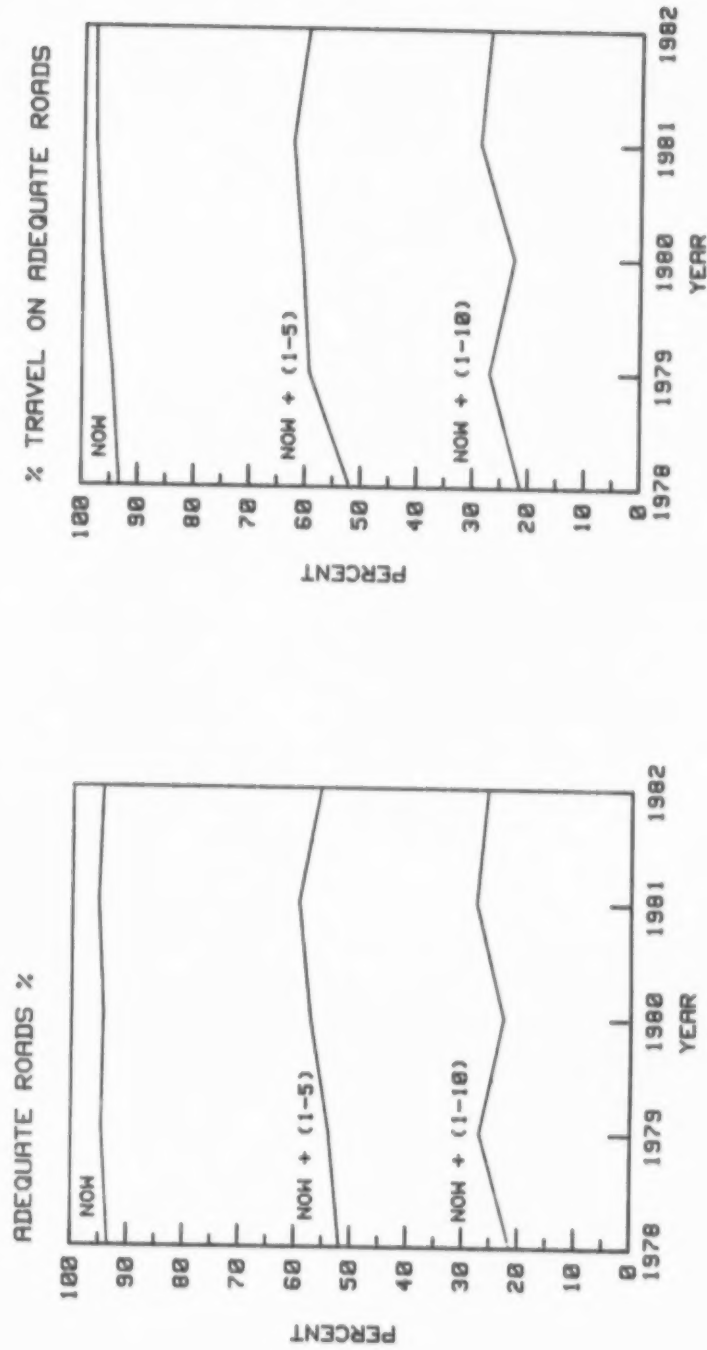
Prepared by O. Maier, Program Policy and Analysis Section, Highway Program Development Branch, Ontario Ministry of Transportation and Communications, November 1980.

2/ Roy Mingay, Senior Needs Analyst, Highway Program Planning Office, June 1983, (1981 and 1982 data).



Highways and Roads

Figure RP 15 — Ontario King's Highways, Quality of Service, Northern Ontario Totals, 1978–1982



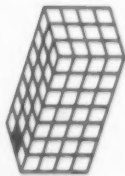
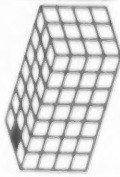


Table RP 16 — Ontario Secondary Highways, Quality of Service, Provincial Totals, 1976-1982

YEAR	ADEQUATE ROADS % (road kilometres)			% TRAVEL ON ADEQUATE ROADS (in vehicle kilometres)		
	NOW	NOW+(1-5)	NOW+(1-10)	NOW	NOW+(1-5)	NOW+(1-10)
1976	70%	41%	27%	72%	40%	21%
1977	71%	38%	28%	73%	34%	22%
1978	76%	42%	32%	76%	36%	22%
1979	75.5%	44.0%	25.5%	77.7%	38.9%	18.2%
1980	72.2%	38%	18.2%	77%	37.9%	15.9%
1981	71.7%	35.7%	17.8%	76.8%	28.8%	16.4%
1982	69.7%	29.0%	14.7%	76.1%	34.1%	12.2%

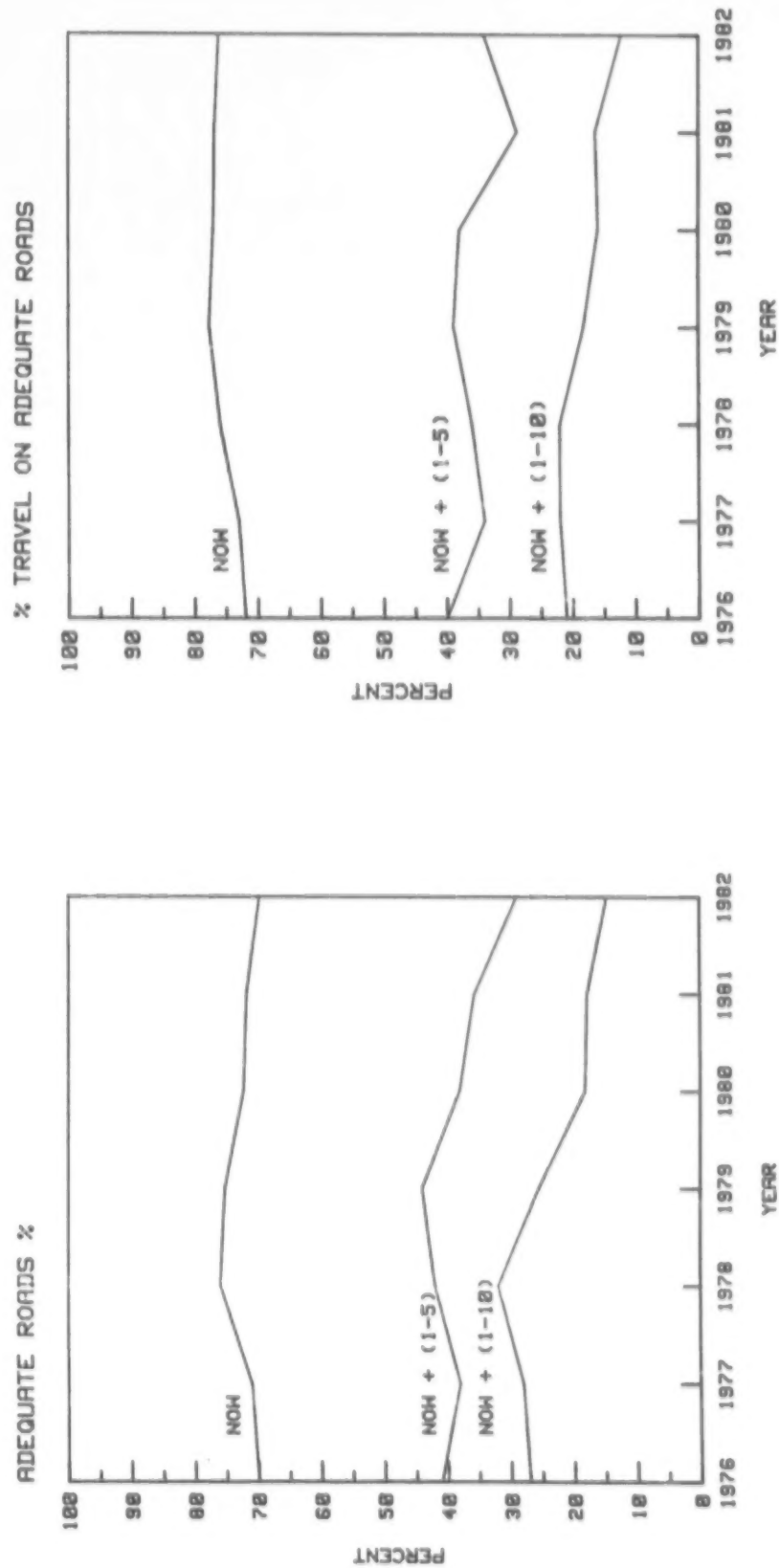
SOURCE: 1/ **PROVINCIAL HIGHWAYS STATUS OF THE SYSTEMS BASED ON THE 1980 INVENTORY UPDATE.** Prepared by O. Maier, Program Policy and Analysis Section, Highway Program Development Branch, Ontario Ministry of Transportation and Communications, November 1980.

2/ Roy Ilingay, Senior Needs Analyst, Highway Program Planning Office, June 1983, (1981 and 1982 data).



Highways and Roads

Figure RP 16 — Ontario Secondary Highways, Quality of Service, Provincial Totals, 1976–1982



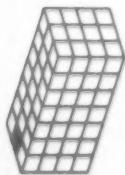
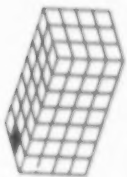


Table RP 17 - Ontario Secondary Highways, Quality of Service, Southern Ontario Totals, 1978-1982

YEAR	ADEQUATE ROADS % (road kilometres)			% TRAVEL ON ADEQUATE ROADS (in vehicle kilometres)		
	NOW	NOW+(1-5)	NOW+(1-10)	NOW	NOW+(1-5)	NOW+(1-10)
1978	65.6%	27.1%	11.7%	65.6%	27.1%	11.7%
1979	69.1%	26.9%	13.7%	74.7%	31.7%	13.7%
1980	69.7%	29.3%	12.4%	78.3%	38.5%	12.5%
1981	75.7%	30.0%	12.1%	84.4%	38.2%	13.6%
1982	75.8%	28.5%	12.2%	83.8%	33.3%	13.2%

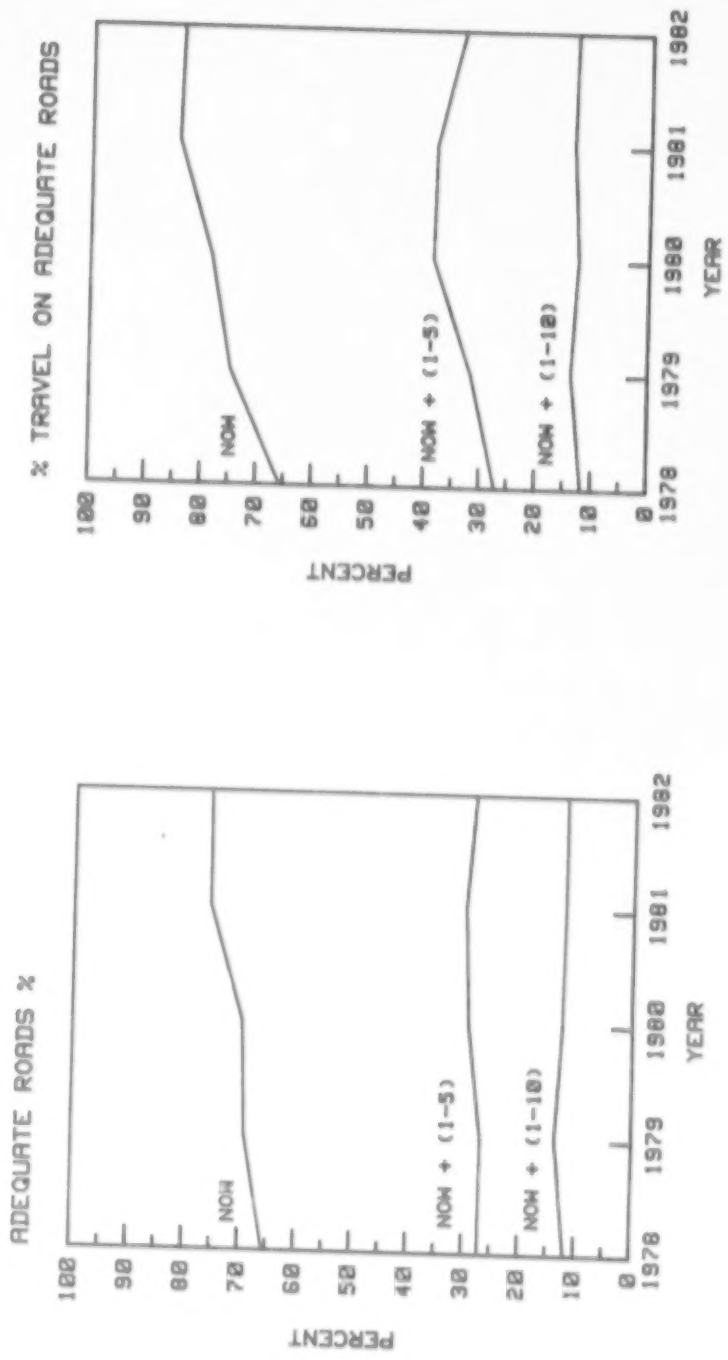
SOURCE: 1/ PROVINCIAL HIGHWAYS STATUS OF THE SYSTEMS BASED ON THE 1980 INVENTORY UPDATE. Prepared by O. Maier, Program Policy and Analysis Section, Highway Program Development Branch, Ontario Ministry of Transportation and Communications, November 1980.

2/ Roy Mingay, Senior Needs Analyst, Highway Program Planning Office, June 1983, (1981 and 1982 data).



Highways and Roads

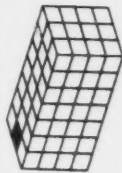
Figure RP 17 - Ontario Secondary Highways, Quality of Service, Southern Ontario Totals, 1978-1982



YEAR	ADEQUATE ROADS % (road kilometres)			% TRAVEL ON ADEQUATE ROADS (in vehicle kilometres)		
	NOW	NOW+(1-5)	NOW+(1-10)	NOW	NOW+(1-5)	NOW+(1-10)
1978	79.0%	46.8%	37.9%	79.0%	46.8%	37.9%
1979	77.1%	48.6%	29.2%	77.1%	41.8%	29.2%
1980	72.9%	40.7%	19.9%	76.4%	37.7%	19.9%
1981	70.5%	37.1%	19.5%	73.8%	38.7%	17.5%
1982	68.0%	29.7%	15.4%	73.5%	34.3%	11.8%

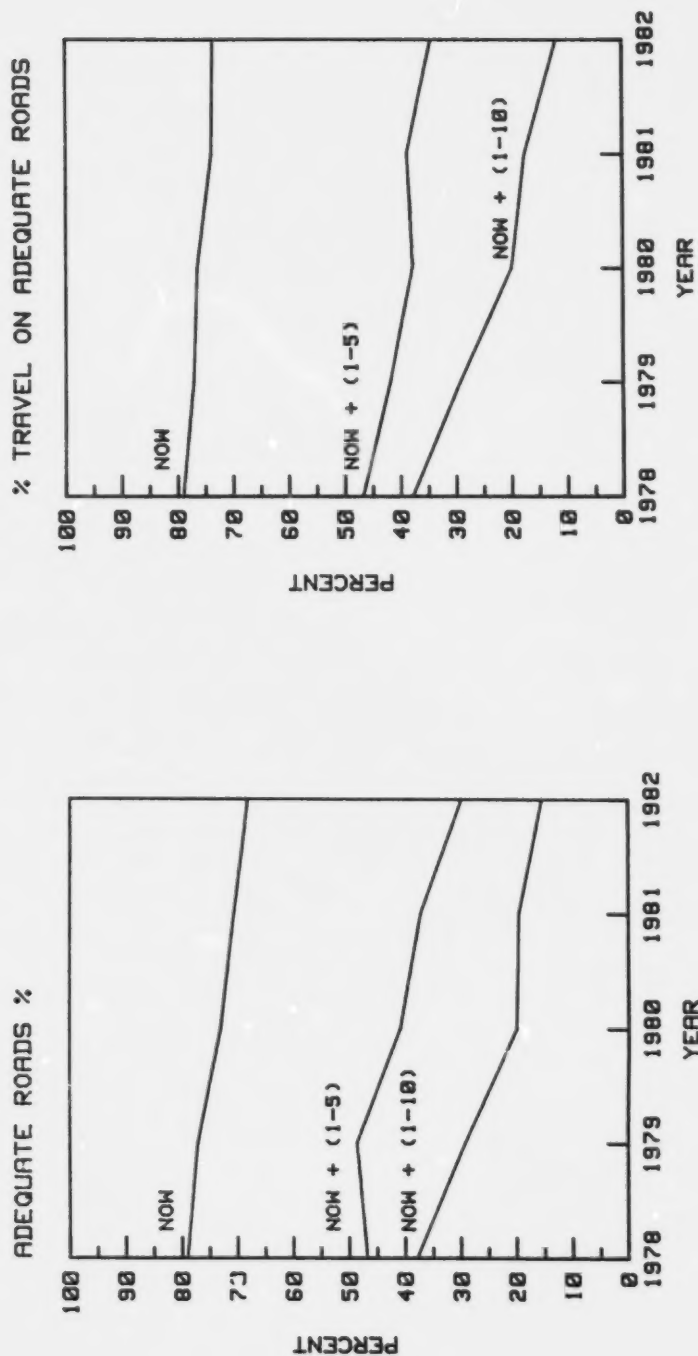
SOURCE: 1/ PROVINCIAL HIGHWAYS STATUS OF THE SYSTEMS BASED ON THE 1980 INVENTORY UPDATE. Prepared by O. Maier, Program Policy and Analysis Section, Highway Program Development Branch, Ontario Ministry of Transportation and Communications, November 1980.

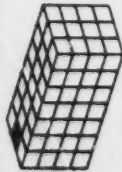
2/ Roy Mingay, Senior Needs Analyst, Highway Program Planning Office, June 1983, (1981 and 1982 data).



Highways and Roads

Figure RP 18 — Ontario Secondary Highways, Quality of Service, Northern Ontario Totals, 1978–1982





Highways and Roads

Table RP 19 - Ontario Motor Vehicle Accidents, 1969-1981

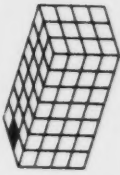
Accident Statistics	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total Reportable Motor Vehicle Accidents	139 052	141 609	158 831	189 494	193 021	204 271	213 689	211 865	218 567	226 363	197 196	196 501	198 372
Fatal Accidents	1 410	1 300	1 498	1 620	1 625	1 470	1 520	1 265	1 213	1 263	1 316	1 296	1 234
Personal Injury Accidents	50 136	50 372	56 117	63 541	65 335	66 352	65 811	58 028	63 787	62 664	67 201	67 391	67 292
Property Damage Only Accidents	87 506	89 937	101 216	124 333	126 061	136 449	149 358	152 572	153 567	122 436	128 679	127 814	129 846
Persons Killed	1 683	1 535	1 769	1 934	1 959	1 748	1 800	1 511	1 420	1 450	1 560	1 508	1 445
Persons Injured	74 902	75 126	84 650	95 181	97 790	99 673	97 034	83 736	95 664	94 979	101 321	101 367	100 321
Vehicle Accident Rate per Million Vehicle Miles/Kilometres Travelled*	4.9	4.7	5.1	5.4	5.1	5.2	5.3	5.2	3.3	2.7	2.7	2.7	2.8
Fatal Accident Rate per 100 Million Miles/Kilometres Travelled*	4.9	4.3	4.8	4.6	4.3	3.7	3.8	3.1	1.8	1.8	1.8	1.8	1.7
Death Rate per 100 Million Miles/Kilometres Travelled*	5.9	5.1	5.6	5.5	5.2	4.4	4.5	3.7	2.1	2.1	2.1	2.1	2.0
Motor Vehicles Registered	2 966 992	3 040 702	3 209 862	3 386 444	3 583 379	3 762 500	4 295 888	4 089 954	4 340 465	4 484 091	4 530 179	4 758 010	5 050 270
Millions of Vehicle Miles/Kilometres Travelled*	28 608	30 042	31 408	34 865	37 771	39 400	40 013	40 340	66 400	69 317	73 271	72 419	70 906
Ontario Population**	7 452 000	7 637 000	7 800 00	7 888 000	7 988 000	8 143 000	8 226 000	8 265 000	8 373 000	8 444 000	8 546 000	8 570 000	8 625 000
Drivers Licensed											4 858 351	4 993 531	5 123 177
Amount of Property Damage in \$**											332 005 000	357 640 284	396 25 442

NOTE: *Prior to 1976 motor vehicle accident and death rates were computed as per 100 million miles travelled. In 1976, both versions of accident rates are shown, i.e., on the basis of miles and below them, in brackets, on the basis of kilometres travelled. From 1976 on, these rates are based only on 100 million kilometres travelled. Kilometres travelled estimated on the basis of 22.08 kilometres per gallon of taxed gasoline and motor fuel.

**Estimated figures.

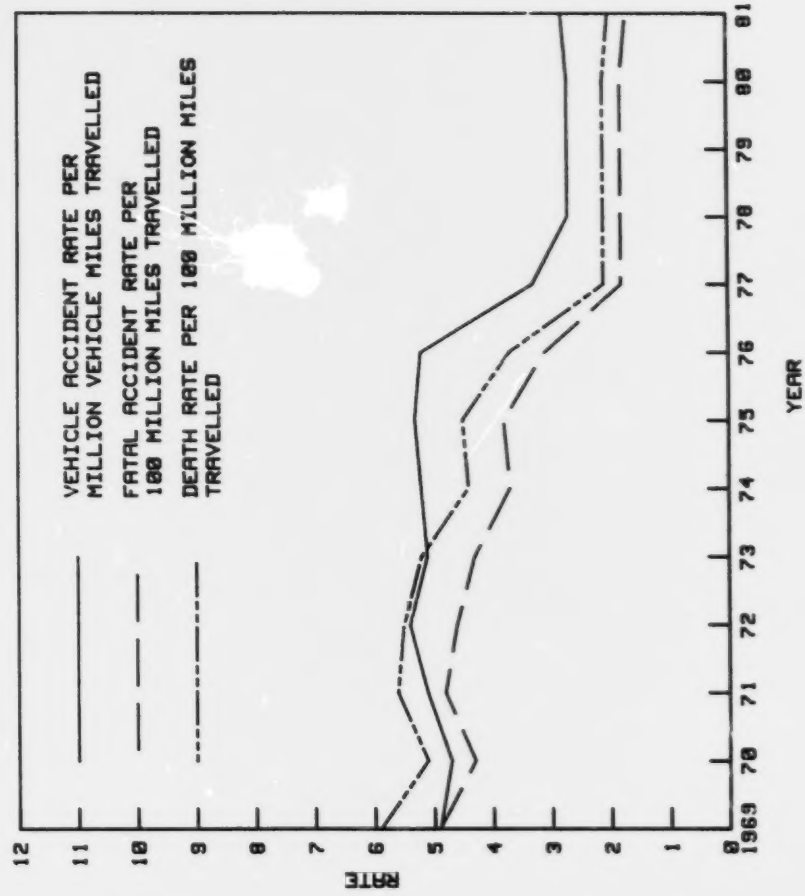
SOURCE:

- HIGHWAY TRAFFIC COLLISIONS, 1969, 1970, Statistics Relating to Motor Vehicle Collisions, Ontario Department of Transport, 1969, 1970;
- HIGHWAY TRAFFIC COLLISIONS, 1971, 1972, 1973, Statistics Relating to Motor Vehicle Collisions, Ontario Department of Transport, 1973;
- MOTOR VEHICLE COLLISION FACTS, 1974, Ministry of Transportation and Communications, Ontario;
- MOTOR VEHICLE COLLISION FACTS, 1975, 1976, 1977, 1978, 1979, Ministry of Transportation and Communications, Ontario;
- ONTARIO MOTOR VEHICLE ACCIDENT FACTS - 1981, Safety and Regulation, Transportation Regulation Development Branch, Safety Co-ordination and Development Office, Ontario Ministry of Transportation and Communications.



Highways and Roads

Figure RP 19 - Ontario Motor Vehicle Accidents, 1969-1981



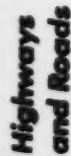
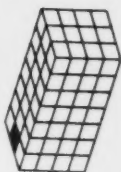


Table RP 20 – Ontario Licensed Drivers as Compared with Drivers Involved in Motor Vehicle Accidents, 1979 and 1981

Drivers' Age	DRIVERS												% of Drivers of Each Age Involved in Accidents 1979			% of Drivers of Each Age Involved in Accidents 1981		
	Licensed - 1979			Licensed - 1981			Involved Accidents - 1979			Involved Accidents - 1981								
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Under 16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	25 001	11 693	36 694	23 408	11 989	35 397	23 408	11 989	35 397	5 473	1 304	6 777	5 000	1 362	6 362	21.9	11.2	18.5
17	54 127	33 333	87 460	53 981	34 687	88 668	53 981	34 687	88 668	10 004	2 481	12 485	8 747	2 431	11 178	18.5	7.4	14.3
18	65 036	43 683	108 719	64 931	44 829	109 760	64 931	44 829	109 760	13 016	2 995	16 011	11 142	2 938	14 080	20.0	6.9	14.7
19	70 271	49 473	119 744	69 945	50 722	120 667	69 945	50 722	120 667	13 309	3 108	16 417	11 621	2 951	14 572	18.9	6.3	13.7
20	71 701	52 473	124 174	72 677	54 643	127 320	72 677	54 643	127 320	12 325	2 898	15 223	11 220	3 109	14 329	17.2	5.5	12.3
21-24	287 612	224 768	512 380	295 017	236 807	531 824	295 017	236 807	531 824	38 551	10 780	49 331	37 118	10 753	47 871	13.4	4.8	9.6
25-34	694 961	569 167	1 264 128	707 424	606 168	1 313 592	707 424	606 168	1 313 592	63 515	20 636	84 151	62 979	22 495	85 474	9.1	3.6	6.7
35-44	518 778	393 741	912 519	551 445	439 361	990 806	551 445	439 361	990 806	37 189	12 994	50 183	37 749	14 495	52 244	7.2	3.3	5.5
45-54	452 945	302 148	755 093	456 651	315 280	771 931	456 651	315 280	771 931	28 163	8 610	36 773	28 186	8 945	37 131	6.2	2.8	4.9
55-64	340 062	218 949	559 011	363 359	241 533	604 892	363 359	241 533	604 892	18 245	5 191	23 436	18 939	5 773	24 712	5.4	2.4	4.2
65-74	194 282	102 993	297 275	211 492	120 665	332 157	211 492	120 665	332 157	7 633	2 058	9 691	8 426	2 523	10 949	3.9	2.0	3.3
74 & Over	59 663	21 491	81 154	68 706	27 457	96 163	68 706	27 457	96 163	2 390	499	2 889	2 604	645	3 249	4.0	2.3	3.6
Unknown	-	-	-	-	-	-	-	-	-	-	-	15 798	-	-	16 945	-	-	-
Total	2 834 439	2 023 912	4 858 351	2 939 036	2 184 141	5 123 177	2 939 036	2 184 141	5 123 177	250 289	73 634	339 721	244 185	78 510	339 640	-	-	-

SOURCE: MOTOR VEHICLE ACCIDENT FACTS - 1979, Collision and Licensing Records, Safety and Regulation, Ontario Ministry of Transportation and Communications.

ONTARIO MOTOR VEHICLE ACCIDENT FACTS - 1981, Safety and Regulation, Transportation Regulation Development Branch, Safety Co-ordination and Development Office, Ontario Ministry of Transportation and Communications.



Highways and Roads

Figure RP 20 - Percent of Ontario Driver of Each Age Group Involved in Motor Vehicle Accidents, 1981

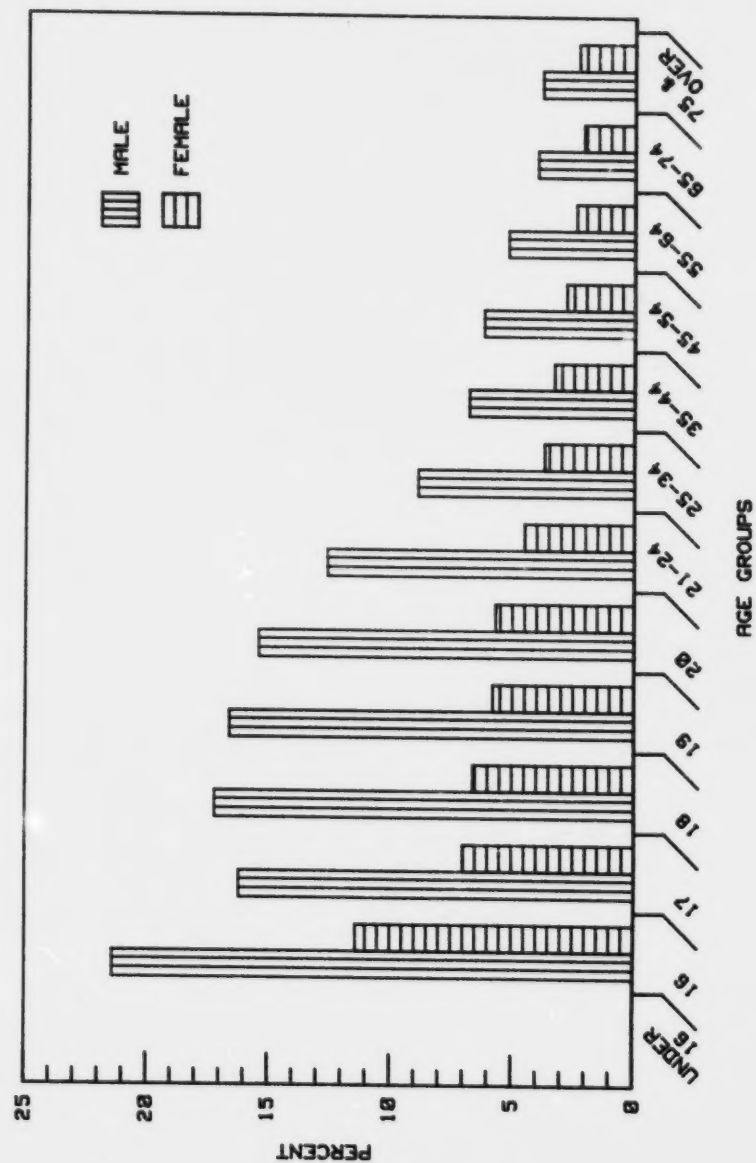




Table RP 21 - Driver Condition by Age and Apparent Driver Action in All Motor Vehicle Accidents, in Ontario, 1978, 1979 and 1981

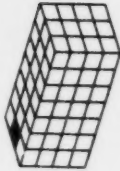
DRIVER CONDITION BY AGE IN ALL MOTOR VEHICLE ACCIDENTS

Drivers Age	Normal			Ability Impaired - Alcohol			Had Been Drinking			Other			Not Known			Total		
	1978	1979	1981	1978	1979	1981	1978	1979	1981	1978	1979	1981	1978	1979	1981	1978	1979	1981
Under 16	448	435	413	13	9	8	45	38	39	21	8	13	90	66	71	617	556	544
16	5 682	6 056	5 689	69	93	97	314	332	294	47	38	43	236	258	239	6 348	6 777	6 362
17	9 866	10 919	9 690	228	231	228	803	842	763	95	83	84	396	410	413	11 388	12 485	11 178
18	12 170	13 401	11 908	434	410	414	1 457	1 510	1 126	125	144	144	536	546	488	14 722	16 011	14 080
19	12 646	13 412	11 809	500	546	570	1 681	1 784	1 563	160	147	149	543	528	481	15 530	16 417	14 572
20	11 540	12 317	11 651	485	551	533	1 374	1 612	1 528	127	155	118	483	588	499	14 009	15 223	14 329
21-24	39 552	41 024	39 900	1 623	1 749	1 813	4 083	4 554	4 247	394	419	357	1 630	1 585	1 554	47 282	49 331	47 871
25-34	70 895	73 371	74 131	2 456	2 725	2 961	4 670	5 160	5 294	521	555	568	2 359	2 340	2 520	80 901	84 151	85 474
35-44	43 329	44 762	46 635	1 566	1 576	1 694	2 161	2 311	2 229	285	304	284	1 382	1 230	1 402	48 723	50 183	52 244
45-54	32 488	33 124	33 596	1 145	1 137	1 163	1 347	1 445	1 251	237	219	220	986	848	901	36 203	36 773	37 131
55-64	20 270	21 390	22 590	606	653	623	628	696	728	185	173	195	550	524	576	22 239	23 436	24 712
65-74	8 467	8 960	10 137	162	157	181	199	217	219	133	130	156	202	227	256	9 163	9 691	10 949
75 & Over	2 375	2 684	3 009	8	14	14	24	26	25	77	100	112	75	65	89	2 559	2 889	3 249
Not Known	172	167	135	14	19	14	17	12	20	15	13	10	14	101	15 587	14 319	15 798	16 945
Total	269 900	282 022	281 293	9 309	9 870	10 310	18 803	20 539	19 326	2 422	2 483	2 453	23 569	24 802	26 255	324 003	339 721	339 640

SOURCE:

MOTOR VEHICLE ACCIDENT FACTS - 1979, Collision and Licensing Records, Licensing and Control Branch, Safety and Regulation, Ontario Ministry of Transportation and Communications.

MOTOR VEHICLE ACCIDENT FACTS - 1981, Safety and Regulation, Transportation Regulation Development Branch, Safety Co-ordination and Development Office, Ontario Ministry of Transportation and Communications.



Highways and Roads

Figure RP 21 — Driver Condition by Age and Apparent Driver Action, in All Motor Vehicle Accidents in Ontario, 1981

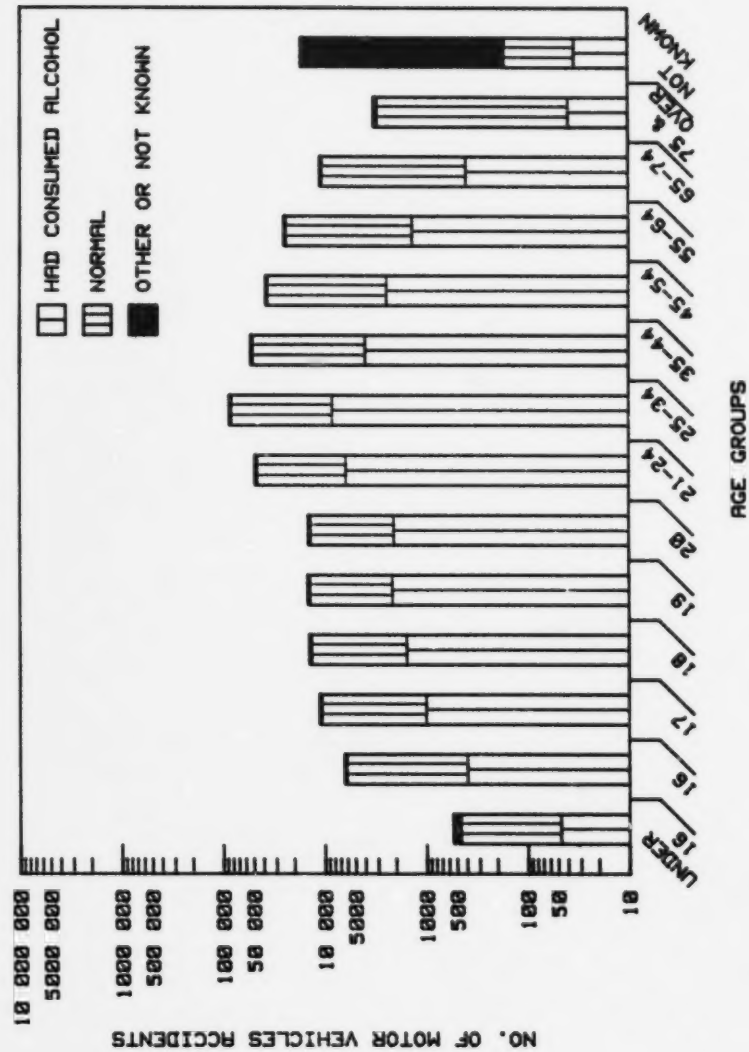
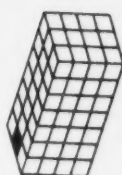


Table RP 22 - Motor Vehicle Deaths by Month of Occurrence, 1970-1981

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
January	81	92	121	130	94	139	71	74	61	113	108	93
February	85	80	89	84	89	85	76	74	73	75	98	86
March	107	87	105	122	118	114	86	89	64	97	92	102
April	111	101	134	116	101	77	96	82	92	108	86	88
May	135	130	155	147	150	136	129	121	111	110	135	137
June	114	151	203	183	150	148	147	150	146	155	143	126
July	150	195	192	211	191	200	166	165	176	137	182	173
August	156	224	195	256	214	203	191	162	164	187	164	158
September	146	191	225	207	173	189	144	121	159	153	171	127
October	166	188	186	196	170	181	126	141	156	140	112	120
November	154	169	172	153	175	169	126	124	132	126	123	126
December	130	161	157	154	123	159	153	117	116	159	94	109
TOTAL	1535	1769	1934	1959	1748	1800	1511	1420	1450	1560	1508	1445

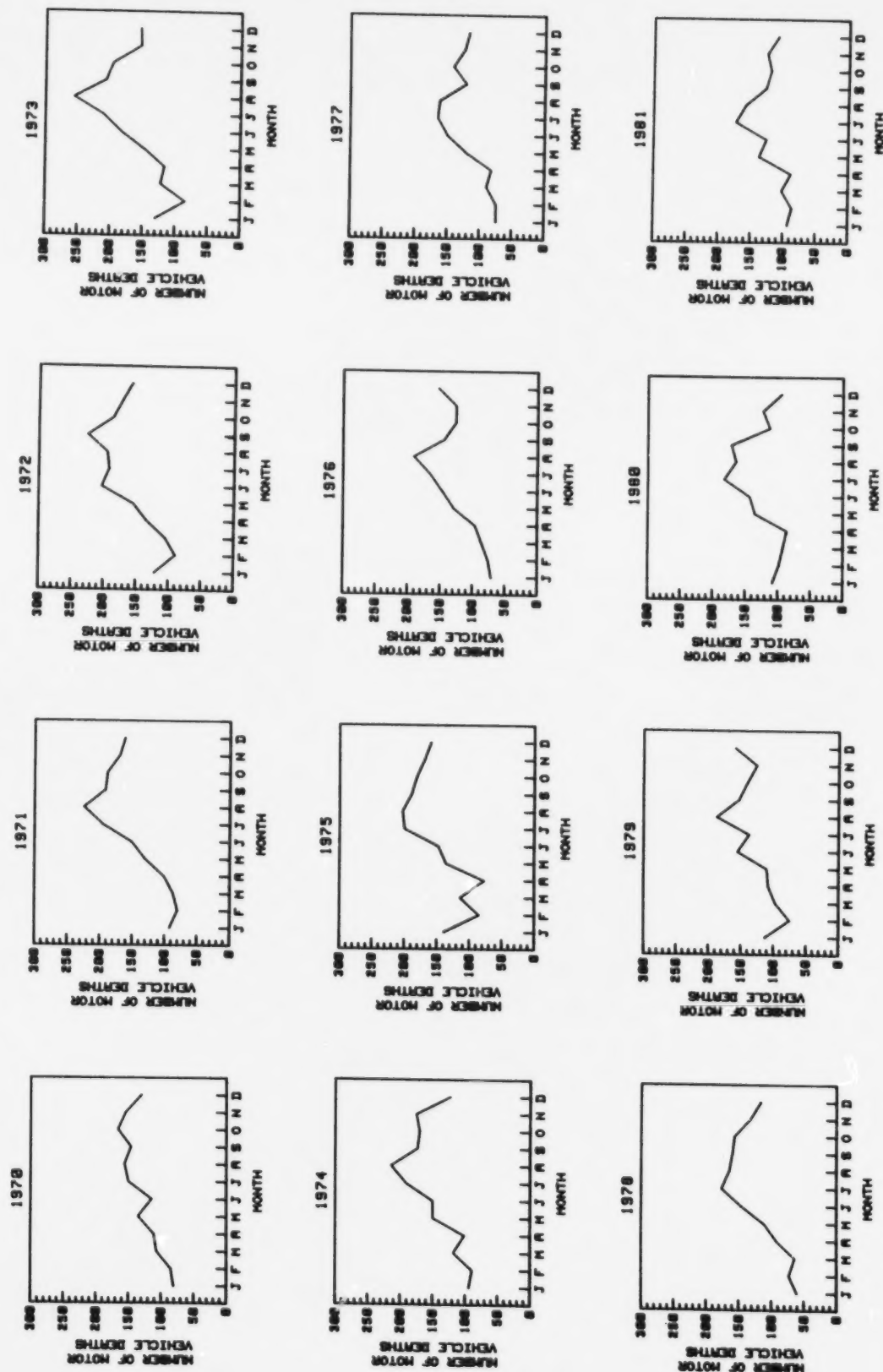
SOURCE: MOTOR VEHICLE ACCIDENT FACTS - 1979, Collision and Licensing Records, Licensing and Control Branch, Safety and Regulations, Ontario Ministry of Transportation and Communications.

ONTARIO MOTOR VEHICLE ACCIDENT FACTS - 1981, Safety and Regulation, Transportation Regulation Development Branch, Safety Co-ordination and Development Office, Ontario Ministry of Transportation and Communications.



Highways and Roads

Figure RP 22 - Motor Vehicle Deaths by Month of Occurrence, 1970-1981



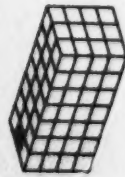


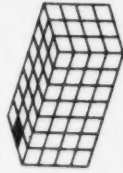
Table RP 23 — Long Weekend Injuries and Fatal Motor Vehicle Accidents, 1979 and 1981 (From Friday 6 p.m. to Monday Midnight)

Weekend	No. of Fatal Accidents		Drivers		Passengers		Other Victims*		Total	
	1979	1981	Killed	Inj.	Killed	Inj.	Killed	Inj.	Killed	Inj.
Victoria Day	19	14	7	8	9	4	5	2	19	18
Dominion Day**	26	-	10	-	16	9	-	-	32	-
Civic Day	15	19	5	10	5	3	9	8	22	23
Labour Day	14	19	2	9	13	9	5	2	17	21
Thanks- giving Day	11	20	7	9	15	6	11	3	21	22

NOTE: *Includes motorcycle, moped drivers and passengers; pedestrians, bicyclists
**In 1981, Dominion Day was on Wednesday

SOURCE: MOTOR VEHICLE ACCIDENT FACTS - 1979, Collision and Licensing Records, Licensing and Control Branch, Safety and Regulations, Ontario Ministry of Transportation and Communications.

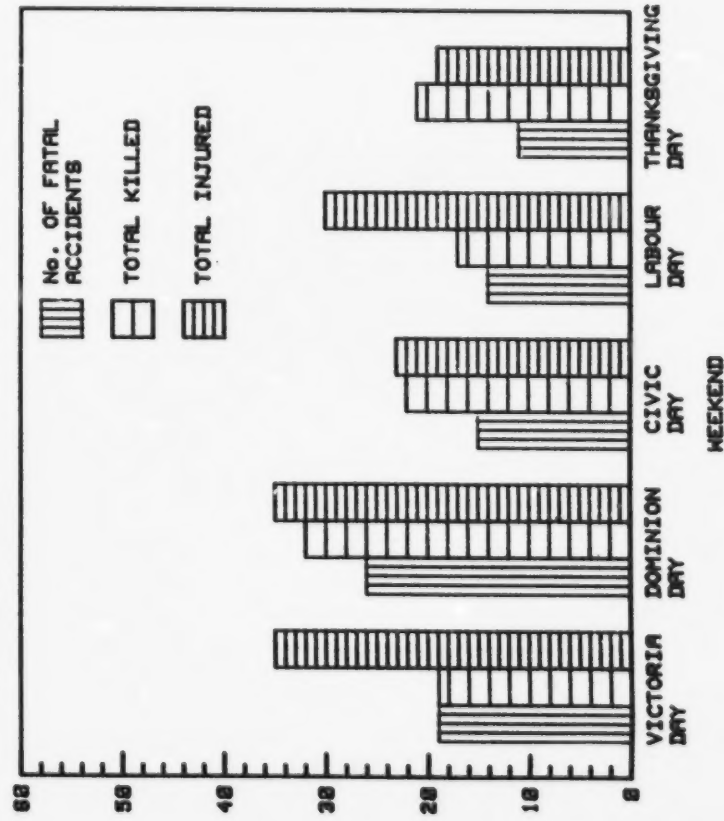
ONTARIO MOTOR VEHICLE ACCIDENT FACTS - 1981, Safety and Regulation, Transportation Regulation Development Branch, Safety Co-ordination and Development Office, Ontario Ministry of Transportation and Communications.



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Figure RP 23 - Fatalities/Injuries on Long Weekends, 1979 and 1981

FATALITIES/INJURIES ON LONG WEEKENDS, 1979



FATALITIES/INJURIES ON LONG WEEKENDS, 1981

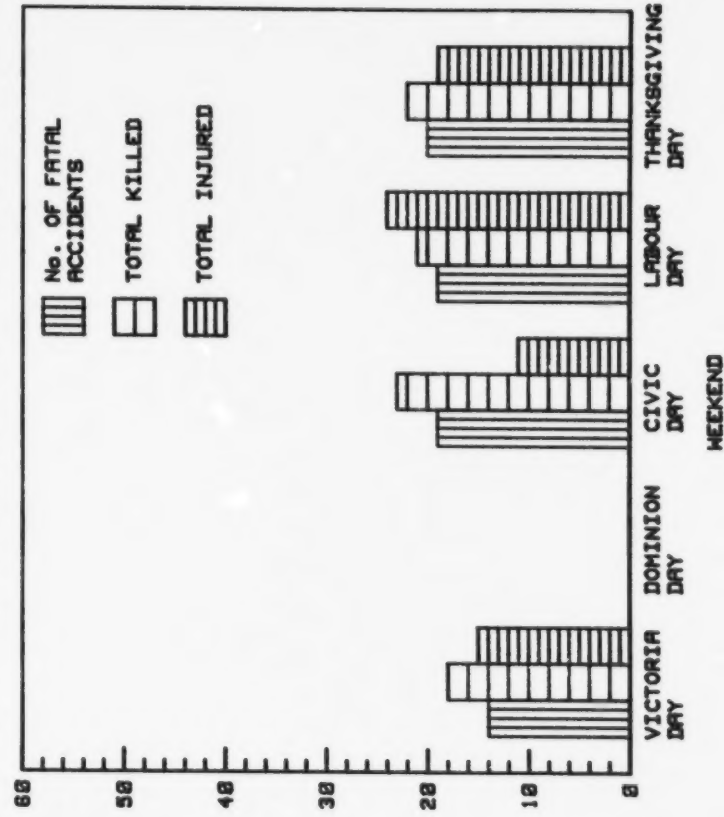




Table RP 24 - Motor Vehicle Accidents by Place of Occurrence, in Ontario, 1970-1981

A. FATAL ACCIDENTS

Year	Urban Area	Controlled Access Highways	King's Highways*	Other	Total
1970	400	119	486	295	1 300
1971	458	128	534	378	1 498
1972	473	105	673	369	1 620
1973	404	132	606	483	1 625
1974	385	118	565	402	1 470
1975	487	143	537	353	1 520
1976	366	89	467	343	1 265
1977	389	70	415	339	1 213
1978	433	95	418	317	1 263
1979	457	99	434	326	1 316
1980	460	92	444	300	1 296
1981	422	91	432	289	1 234

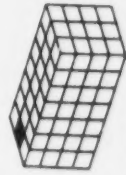
NOTE: *Includes Secondary Highways

SOURCE: MOTOR VEHICLE ACCIDENT FACTS - 1979, Collision and Licensing Records, Licensing and Control Branch, Safety and Regulation, Ontario Ministry of Transportation and Communications.

ONTARIO MOTOR VEHICLE ACCIDENT FACT - 1981, Safety and Regulation, Transportation Regulation Development Branch, Safety Co-ordination and Development Office, Ontario University of Transportation and Communications.

B. PERSONAL INJURY ACCIDENTS

Year	Urban Area	Controlled Access Highways	King's Highways*	Other	Total
1970	32 230	2 899	2 677	7 566	50 372
1971	34 794	1 846	10 421	9 056	56 117
1972	39 685	3 861	10 137	9 858	63 541
1973	37 067	3 780	10 351	14 137	65 335
1974	33 573	3 780	10 097	18 902	66 352
1975	32 923	3 955	10 035	18 848	65 811
1976	29 243	3 037	8 412	17 336	58 028
1977	34 540	3 652	9 364	16 231	63 787
1978	41 207	4 071	8 779	8 607	62 664
1979	44 078	4 353	9 246	9 524	67 201
1980	44 397	4 159	8 853	9 982	67 391
1981	43 731	4 604	8 648	10 309	67 292



Highways and Roads

Figure RP 24 - Motor Vehicle Accidents by Place of Occurrence in Ontario, 1970-1981

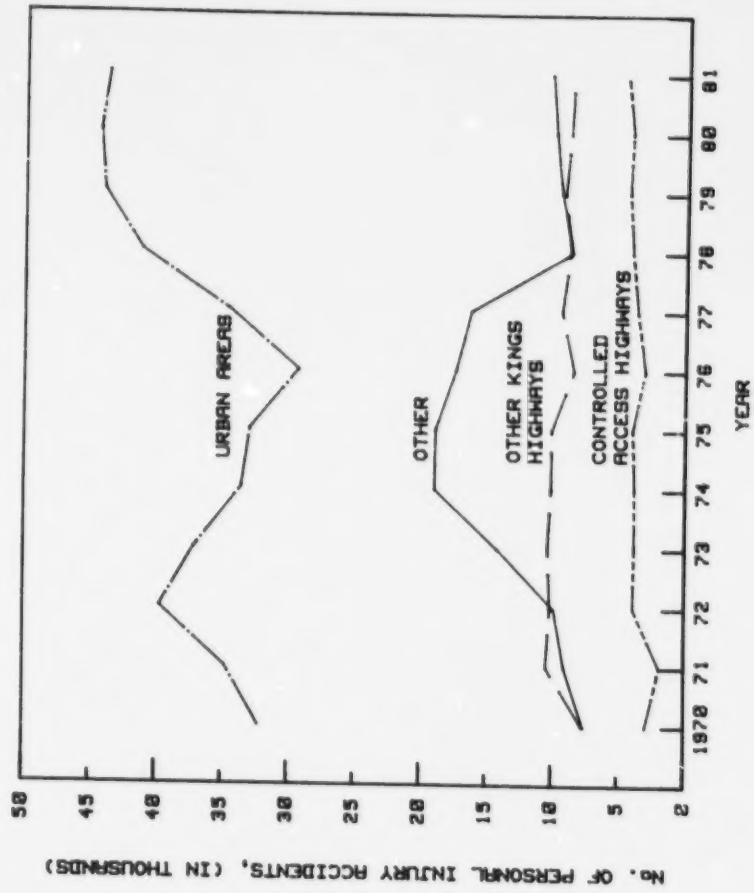
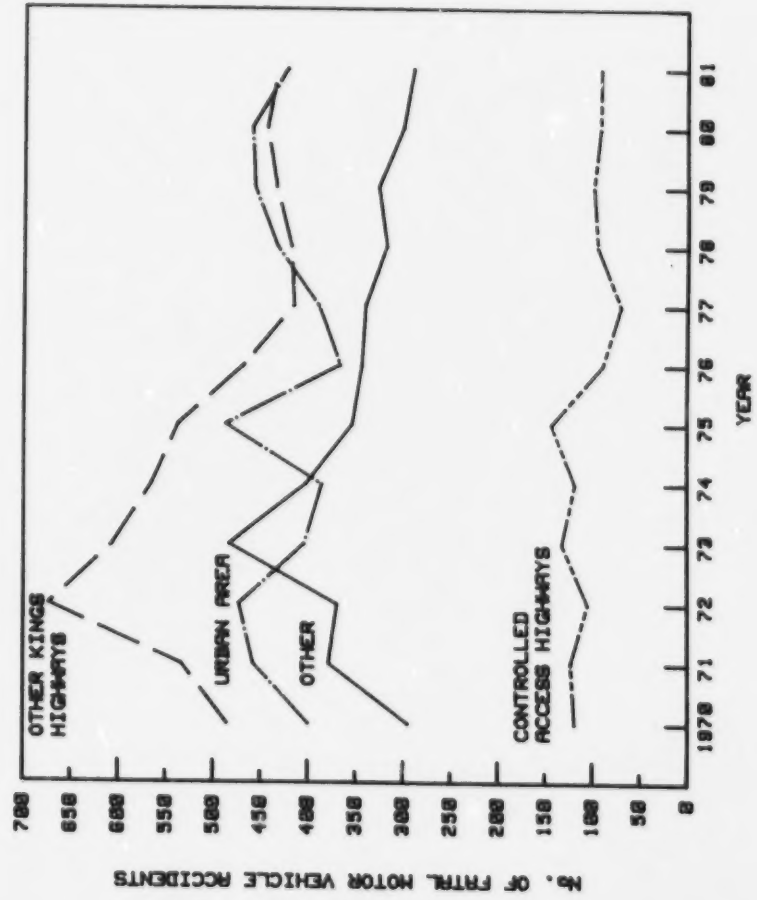




Table RP 25A - Type of Vehicle Involved in All Accidents, 1979 and 1981

Type of Vehicle	In All Accidents		In Fatal		In Personal Injury		In Property Damage	
	1979	1981	1979	1981	1979	1981	1979	1981
Passenger Car	282 714	279 510	1 466	1 251	92 675	92 072	188 573	186 187
Passenger Cars & Trailer	897	765	7	7	253	226	637	532
Truck	47 421	48 957	327	367	14 358	14 538	32 736	34 052
Truck & Trailer	791	784	11	17	221	193	559	574
Tractor & Semi-trailer	6 157	5 975	124	126	1 892	1 711	4 141	4 138
Motorcycle	4 394	5 256	90	107	3 961	4 638	343	511
Bus	2 460	2 598	15	14	860	932	1 585	1 652
School Bus	962	955	9	4	307	290	646	661
Other - Or Not Known	12 700	14 354	13	8	2 195	2 526	10 492	11 820
Non Motor Vehicle	4 776	4 988	90	80	3 809	3 978	877	930
TOTAL	363 272	364 142	2 152	1 981	120 531	12 104	240 589	241 057

SOURCE: MOTOR VEHICLE ACCIDENT FACTS - 1979, Collision and Licensing Records, Licensing and Control Branch, Safety and Regulation, Ontario Ministry of Transportation and Communications.

ONTARIO MOTOR VEHICLE ACCIDENT FACT - 1981, Safety and Regulation, Transportation Regulation Development Branch, Safety Co-ordination and Development Office, Ontario Ministry of Transportation and Communications.

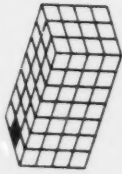
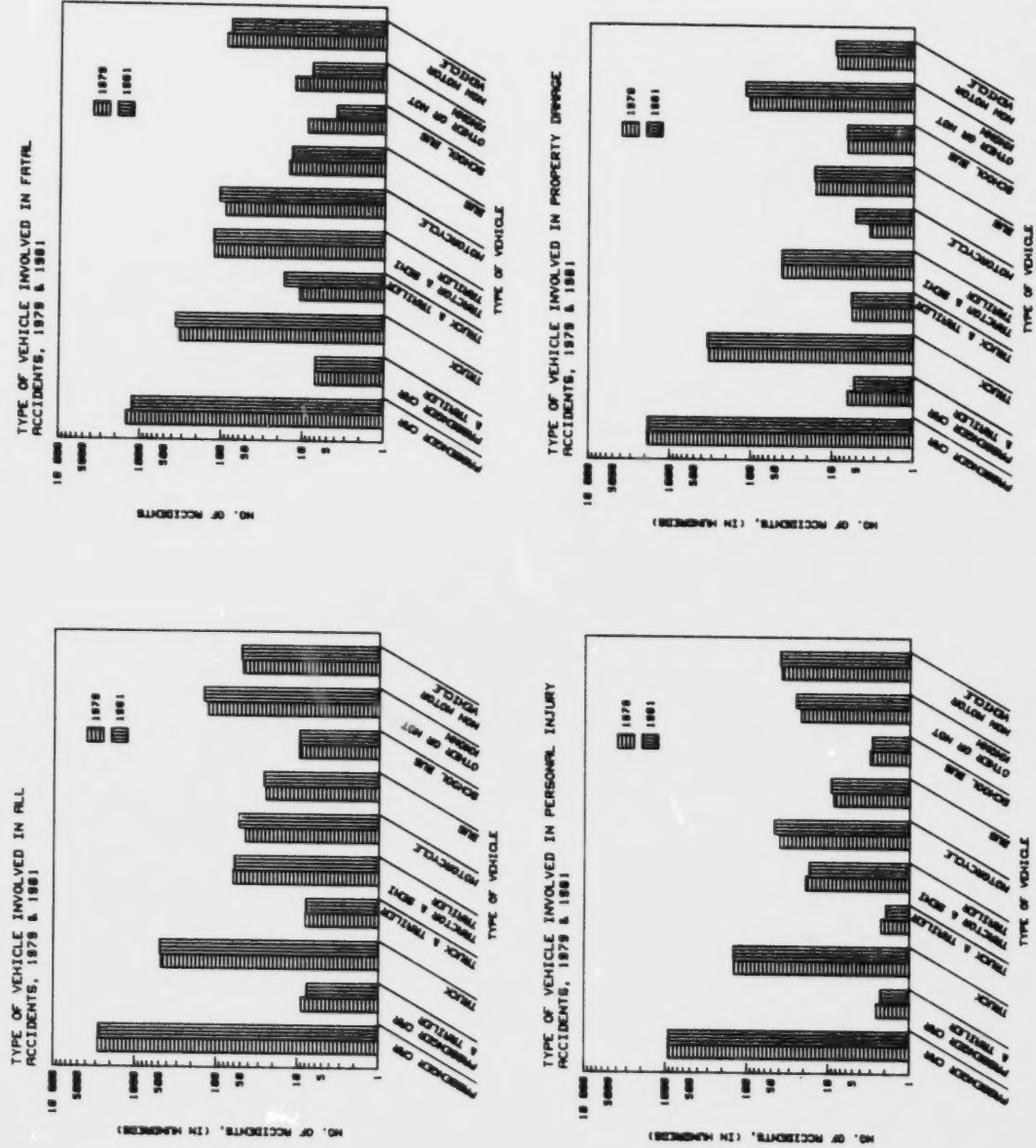


Figure RP 25A - Type of Vehicle Involved in All Accidents, 1979 and 1981



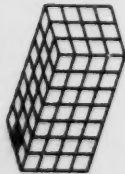


Table RP 25B - Motor Vehicle Accidents Involving School Vehicles, School Years 1969/1970 to 1980/1981

School Year	Pupils Transported Daily	Total Number of Accidents (1)	PUPIL FATALITIES/PERSONAL INJURIES						Injury Rate Per 100 000 Pupils	
			Crossing Road (2) F. P.I.	Within School Vehicle F. P.I.	Other F. P.I.	Total F. P.I.	Non-Fatal			
							Fatal	Fatal		
1969-70	478 224	383	4 12	2 109	1 5	7 126	1.5	26		
1970-71	523 284	490	0 21	1 151	2 36	3 208	0.6	40		
1971-72	545 046	508	0 9	1 153	1 19	2 181	0.4	33		
1972-73	558 549	542	0 9	0 233*	3+ 18	3 260	0.6	47		
1973-74	592 026	575	1 6	0 364**	0 17	1 387	0.2	65		
1974-75	578 817	622	4 19	2 205	0 28	6 252	1.1	45		
1975-76	594 410	727	2 14	2 155	1 24	5 193	0.8	32		
1976-77	600 082	793	0 10	0 247++	1 10	1 267	0.2	44		
1977-78	601 583	866	1 19	0 259###	2 18	3 296	0.5	49		
1978-79	599 776	838	0 12	1 285#	1 28	2 325	0.3	54		
1979-80	601 813	765	0 12	1 250	3 48	4 310	0.7	52		
1980-81	598 096	847	1 20	0 191	0 18	1 229	0.2	38		

NOTE: (1) Accidents involving a school vehicle directly or indirectly while transporting pupils to or from school.

(2) Pupil struck by approaching vehicle (excluding school vehicle) while waiting to board school vehicle, crossing road to board or after leaving school vehicle.
* Includes three separate accidents resulting in a total of 56 pupil injuries (27, 17, 12).

** Includes six separate accidents resulting in a total of 195 pupil injuries (46, 39, 35, 32, 25, 18).

Includes one school age pedestrian who ran across a street into the path of an oncoming bus; two pupils, after being discharged were fatally injured by school buses while attempting to cross the streets in front of the buses.

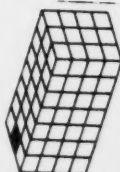
Includes seven separate accidents resulting in a total of 124 pupil injuries (48, 19, 13, 13, 11, 10, 10).

Includes seven separate accidents resulting in a total of 156 pupil injuries (36, 35, 25, 18, 16, 14, 12).

Includes six separate accidents resulting in a total of 110 pupil injuries (30, 22, 19, 16, 13, 10).

SOURCE: MOTOR VEHICLE ACCIDENT FACTS - 1979, Collision and Licensing Records, Licensing and Control Branch, Safety and Regulations, Ontario Ministry of Transportation and Communications.

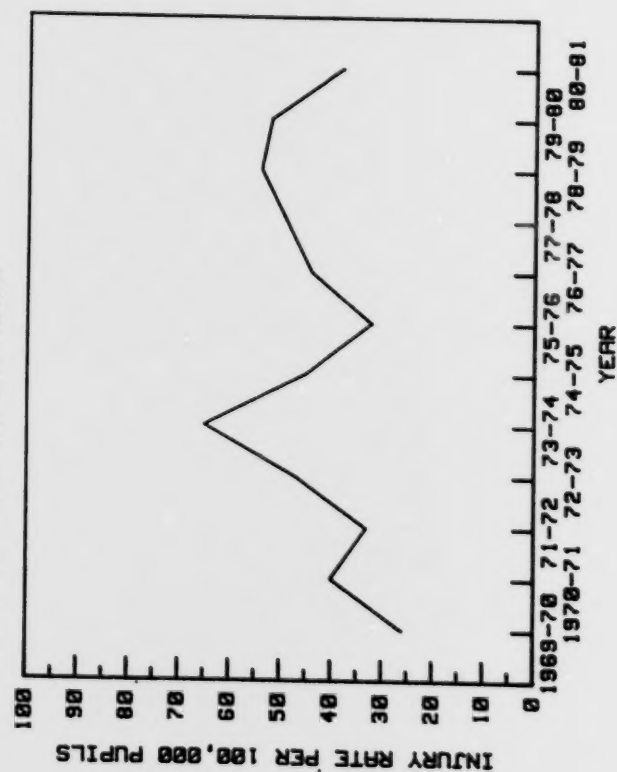
ONTARIO MOTOR VEHICLE ACCIDENT FACTS - 1981, Safety and Regulation, Ontario Ministry of Transportation and Communications.



Highways and Roads

Figure RP 25B — Fatal and Nonfatal Injury Rates per 100,000 Pupils, 1969–1981

THE NONFATAL INJURY RATE



THE FATAL INJURY RATE

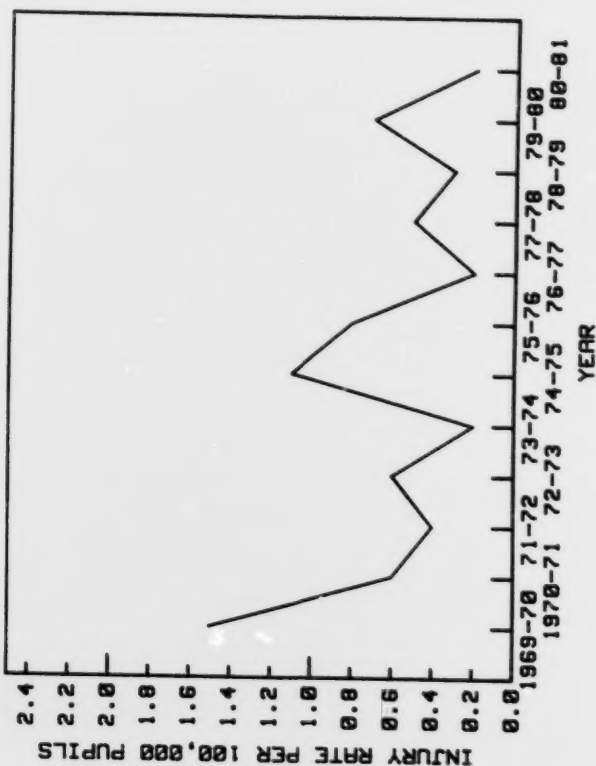




Table RP 26 - Ontario Motor Vehicle Accidents, Comparative Statistics, 1978-1981

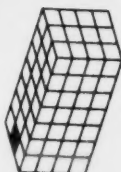
	1978	1979	% of Change	1980	1981	% of Change
Total Reportable Motor Vehicle Accidents	186 363	197 196	+ 5.8	196 501	198 372	+ 1.0
Fatal Accidents	1 263	1 316	+ 4.2	1 296	1 234	- 4.8
Personal Injury Accidents	62 664	67 201	+ 7.2	67 391	67 292	- 0.1
Property Damage Only Accidents	122 436	128 679	+ 5.1	127 814	129 846	+ 1.2
Persons Killed	1 450	1 560	+ 7.6	1 508	1 445	- 4.2
Persons Injured	94 979	101 321	+ 6.7	101 367	100 321	- 1.0
Vehicle Accident Rate per Million Kilometres Travelled*	2.7	2.7	-	2.7	2.8	+ 3.7
Fatal Accident Rate per 100 Million Kilometres Travelled*	1.8	1.8	-	1.8	1.7	- 5.6
Death Rate per 100 Million Kilometres Travelled*	2.1	2.1	-	2.1	2.0	- 4.8
Motor Vehicles Registered	4 484 091	4 530 179*	+ 3.3	4 758 010	5 050 270*	+ 6.1
Millions of Vehicle Kilometres Travelled	69 317**	73 271**	+ 5.7	72 419**	70 906**	- 2.2
Ontario Population	8 444 000*	8 546 000*	+ 1.2	8 570 000*	8 625 000*	+ 0.4
Drivers Licensed	4 725 546	4 858 351	+ 2.8	4 993 531	5 123 177	+ 2.6
Amount of Property Damage	\$280 332 000*	\$332 005 000*	+18.4	\$357 640 284*	\$396 925 442*	+11.0

*Estimated

**Kilometres travelled estimated on basis of 22.08 km per gallon of taxed gasoline and motor fuel.

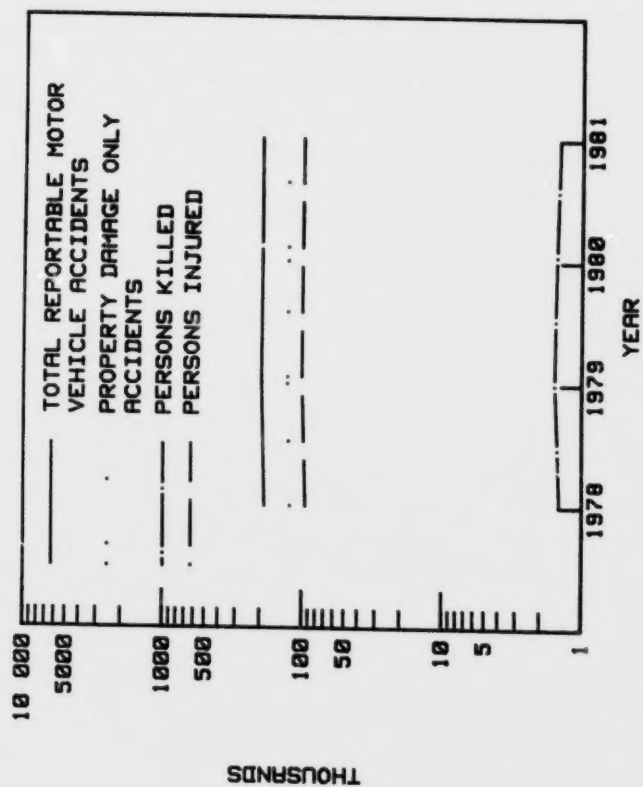
SOURCE: MOTOR VEHICLE ACCIDENT FACTS - 1979, Collision and Licensing Records, Licensing and Control Branch, Safety and Regulation, Ontario Ministry of Transportation and Communications.

ONTARIO MOTOR VEHICLE ACCIDENT FACTS - 1981, Safety and Regulation, Transportation Regulation Development Branch, Safety Co-ordination and Development Office, Ontario Ministry of Transportation and Communications.



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Figure RP 26 — Ontario Motor Vehicle Accidents, Comparative Statistics, 1978—1981





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Table RP 27 - Ontario Motor Vehicle Accident Rates by Miles/Kilometres Travelled and Registrations, 1955-1982

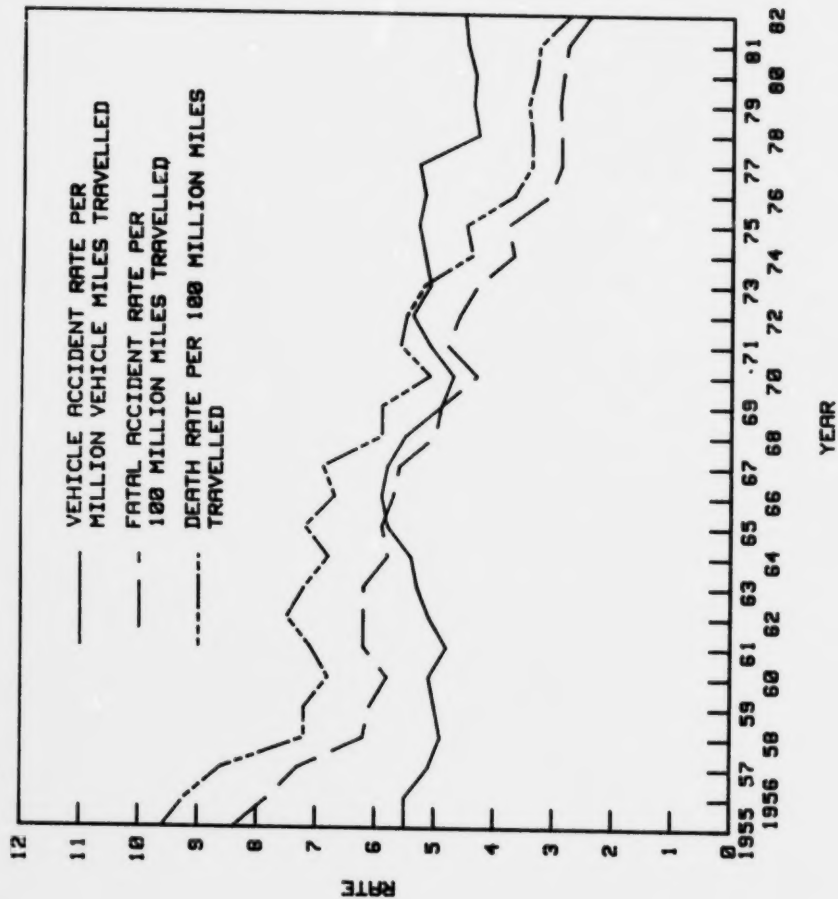
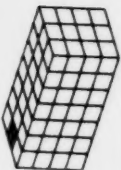
Year	ALL ACCIDENTS				FATAL ACCIDENTS				FATALITIES			
	Licensed Driver Population	Miles* Travelled	Kilometres* Travelled (in millions)	Number of Motor Vehicles Registered	Rate per 100 Vehicles		Rate per 1 000 000 Miles/Km Travelled		Rate per 100 000 Vehicles		Rate per 100 000 000 Miles/Km Travelled	
					Number	Rate	Number	Rate	Number	Rate	Number	Rate
1955	1 856 845	11 560 595 370	18 605	1 617 853	63 219	3.9	5.5	3.4	971	60	8.4	5.2
1956	1 967 789	12 894 625 613	20 752	1 710 240	71 399	4.2	5.5	3.4	1 008	58	7.8	4.9
1957	2 088 551	14 879 196 434	23 946	1 793 499	76 302	4.2	5.1	3.2	1 089	61	7.3	4.5
1958	2 176 417	15 537 935 933	25 006	1 868 922	76 884	4.1	4.9	3.1	965	52	6.2	3.8
1959	2 270 246	16 437 194 523	26 453	1 973 737	81 518	4.1	5.0	3.1	1 006	51	6.1	3.8
1960	2 355 567	17 125 664 575	27 561	2 062 484	87 186	4.2	5.1	3.2	987	48	5.8	3.6
1961	2 414 615	17 831 867 509	28 698	2 126 270	86 577	4.0	4.8	3.0	1 098	52	6.2	3.8
1962	2 469 425	18 516 335 492	29 799	2 177 148	94 231	4.3	5.1	3.2	1 139	52	6.2	3.8
1963	2 555 015	19 687 339 550	31 684	2 268 320	104 919	4.6	5.3	3.3	1 222	54	6.2	3.8
1964	2 694 023	20 774 435 971	33 433	2 381 219	111 232	4.7	5.4	3.3	1 202	51	5.8	3.6
1965	2 739 138	22 325 060 122	35 929	2 516 680	128 462	5.1	5.8	3.6	1 318	52	5.9	3.7
1966	2 821 648	23 712 355 425	38 161	2 643 474	139 781	5.3	5.9	3.7	1 347	51	5.7	3.5
1967	3 004 654	25 042 294 913	40 302	2 736 366	145 008	5.3	5.8	3.6	1 400	51	5.6	3.5
1968	3 128 509	26 698 287 594	42 966	2 869 588	155 127	5.4	5.8	3.6	1 346	47	5.0	3.1
1969	3 247 979	28 608 476 489	46 040	2 953 789	169 395	5.7	5.9	3.7	1 410	48	4.9	3.1
1970	3 422 892	30 041 695 638	48 348	3 047 599	141 609	4.6	4.7	2.9	1 300	43	4.3	2.7
1971	3 563 197	31 407 951 633	50 545	3 209 862	158 831	4.9	5.1	3.1	1 498	47	4.8	3.0
1972	3 688 541	34 864 556 694	56 094	3 386 444	189 494	5.6	5.4	3.4	1 620	48	4.6	2.9
1973	3 841 628	37 771 576 551	60 786	3 583 379	193 021	5.4	5.1	3.2	1 625	45	4.3	2.7
1974	3 972 980	39 400 038 916	63 408	3 744 758	204 271	5.3	5.2	3.2	1 470	39	3.7	2.1
1975	4 160 623	40 013 949 219	64 396	3 913 452	213 689	5.5	5.3	3.3	1 520	39	3.8	2.4
1976	4 315 925	40 339 903 806	64 919	4 089 954	211 865	5.2	5.2	3.3	1 265	31	3.1	1.9
1977	4 562 903	41 259 325 185	66 400	4 340 465	218 567	5.0	5.3	3.3	1 213	28	2.9	1.8
1978	4 725 546	43 071 381 521	69 317	4 484 091	186 363	4.2	4.3	2.7	1 263	28	2.9	1.8
1979	4 858 351	44 845 239 252	72 171	4 646 939	197 196	4.2	4.39	2.73	1 316	28	2.93	1.82
1980	4 993 531	45 044 115 742	72 491	5 029 617	196 501	4.1	4.36	2.71	1 269	27	2.87	1.78
1981	5 123 177	44 058 842 712	70 906	5 057 767	198 372	3.9	4.50	2.79	1 234	24	2.80	1.74
1982	5 247 198	41 187 029 223	66 284	5 172 966	187 943	3.6	4.56	2.84	997	19	2.42	1.50

NOTE: *Estimated - estimate based on an average of 13.72 miles per gasoline gallon.

SOURCE: Safety Co-ordination and Development Office, Transportation Regulation Development Branch, Ministry of Transportation and Communication.

Figure RP 27 - Ontario Motor Vehicle Accident Rates, 1955-1982

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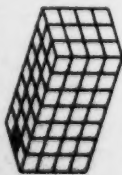


Table RP 28 — Fatal and Nonfatal Motor Vehicle Accidents in Ontario, Drivers and Passengers, 1970—1981

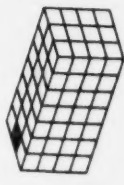
YEAR	ONTARIO POPULATION		DRIVERS			PASSENGERS*			
	(Estimate)	FATAL ACCIDENTS Rate per No. 100 000**	NONFATAL ACCIDENTS Rate per No. 100 000**	FATAL ACCIDENTS Rate per No. 100 000**	NONFATAL ACCIDENTS Rate per No. 100 000**	FATAL ACCIDENTS Rate per No. 100 000**	NONFATAL ACCIDENTS Rate per No. 100 000**		
1970	7 551 000	633	12.1	33 007	628.1	437	5.8	29 615	392.2
1971	7 703 000	740	13.8	37 936	709.6	542	7.0	33 519	435.1
1972	7 834 000	827	15.1	43 910	801.5	564	7.2	37 001	472.3
1973	7 939 000	830	14.8	46 414	826.8	600	7.6	37 093	467.2
1974	8 094 000	778	13.4	46 621	806.1	513	6.3	37 020	457.4
1975	8 226 000	774	13.0	45 847	772.7	540	6.6	35 658	433.5
1976	8 265 000	648	10.8	39 631	659.8	461	5.6	29 553	357.6
1977	8 373 000	609	10.1	45 620	756.7	393	4.7	34 854	416.3
1978	8 444 000	623	9.9	46 953	746.8	383	4.5	34 578	409.5
1979	8 546 000	668	10.4	50 618	787.5	468	5.5	36 332	425.1
1980	8 570 000	682	10.5	50 653	778.7	413	4.8	35 982	419.8
1981	8 625 000	657	9.9	50 574	765.8	393	4.6	34 450	399.4

NOTE: *Excludes motorcycle passengers.

**Rate per 100 000 population 16 years of age and over.

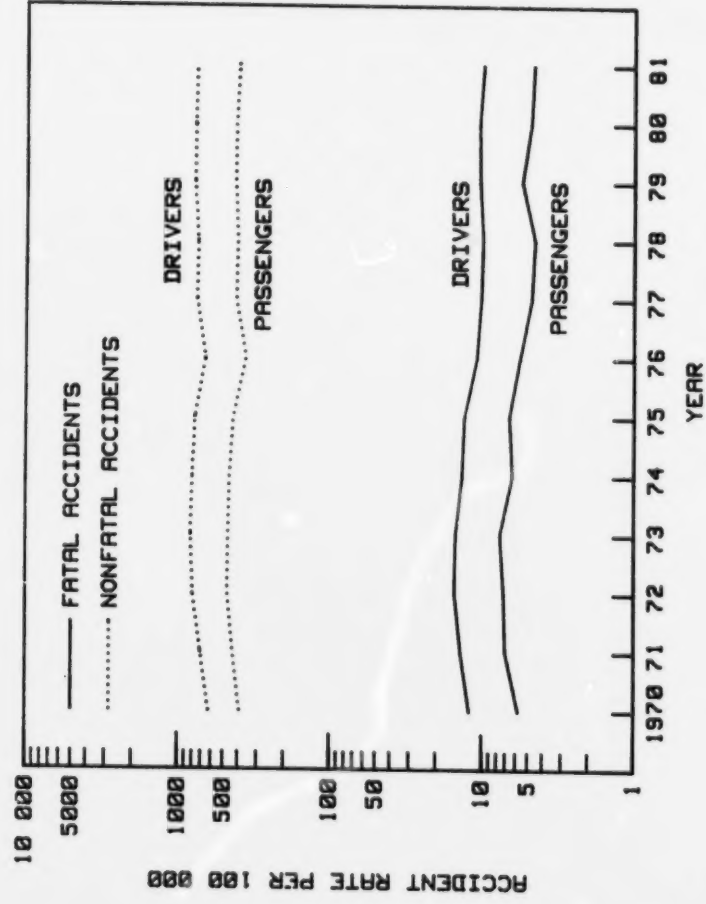
SOURCE: MOTOR VEHICLE ACCIDENT FACTS - 1979, Collision and Licensing Records, Licensing and Control Branch - Safety and Regulation, Ministry of Transportation and Communications.

ONTARIO MOTOR VEHICLE ACCIDENT FACTS 1981, Safety and Regulation, Transportation Regulation Development Branch, Safety Co-ordination and Development Office, Ministry of Transportation and Communications.



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Figure RP 28 — Fatal and Nonfatal Motor Vehicle Accidents in Ontario, Drivers and Passengers, 1970–1981



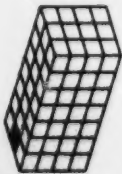
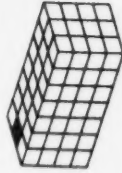


Table RP 29 - Persons Killed and Injured in Accidents at Public Highway Crossings - Canadian Totals, 1972, 1976 and 1980

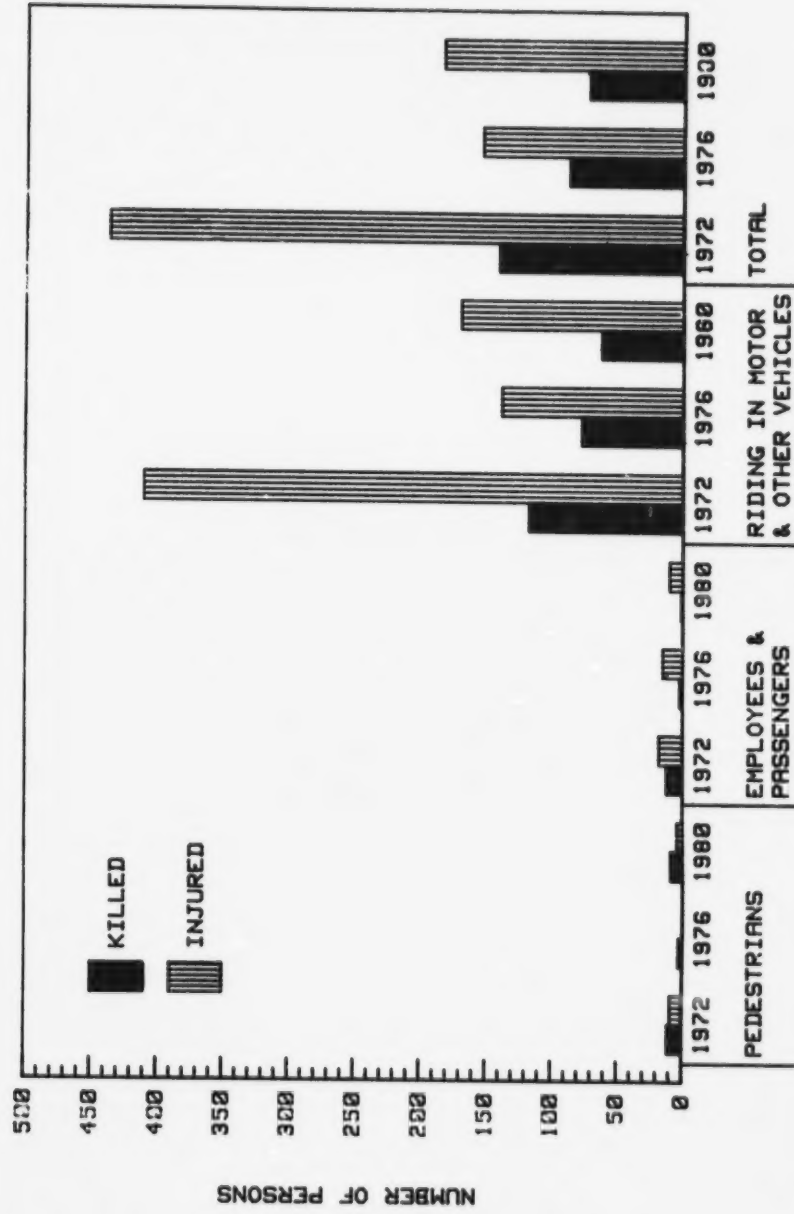
	KILLED			INJURED		
	1972	1976	1980	1972	1976	1980
PEDESTRIANS						
Protected Crossings	7	2	7	8	0	4
Unprotected Crossings	4	1	2	1	0	0
SUB-TOTAL	11	3	9	9	0	4
EMPLOYEES AND PASSENGERS						
Protected Crossings	8	1	0	9	13	7
Unprotected Crossings	4	1	1	9	2	3
SUB-TOTAL	12	2	1	18	15	10
RIDING IN MOTOR AND OTHER VEHICLES						
Protected Crossings	56	27	36	197	63	73
Unprotected Crossings	61	55	26	213	75	96
SUB-TOTAL	117	77	62	410	138	169
TOTAL:						
Protected	71	30	43	214	76	84
Unprotected	69	57	29	223	77	99
GRAND TOTAL	140	87	72	437	153	183

SOURCE: STATISTICS CANADA, Catalogue 52-207, Railway Transport, Part I, Annual, 1978 and 1980.



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Figure RP 29 — Persons Killed and Injured in Accidents at Public Highway Crossings — Canadian Totals, 1972, 1976 and 1980



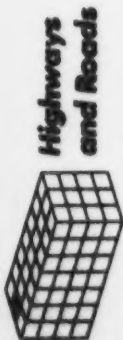


Table RP 30 - Motor Vehicle Accidents by Type (Based on Initial Impact), in Ontario, 1970-1981

FATAL ACCIDENTS INVOLVING										
Year	Motor Vehicle And								TOTAL	Other*
	Single Motor Vehicle	Other Motor Vehicle/s	Pedestrian	Cyclist	Rail Road Train	Street Car	Tractor	Animal		
1970	344	525	336	41	32		1	6	1 300	15
1971	442	611	335	51	34		1	7	1 488	17
1972	444	666	364	65	43		4	5	1 620	29
1973	486	676	321	69	42	1	8	3	1 625	17
1974	457	630	288	45	34		3	4	1 470	9
1975	480	651	273	64	22		6	7	1 520	15
1976	376	597	268	46	28	2	6	1	1 265	15
1977	376	572	241	49	22		6	2	1 213	10
1978	378	536	243	48	26		6	2	1 263	11
1979	415	563	252	45	21	1	5	1	1 316	10
1980	463	521	247	30	11		5	1	1 296	9
1981	414	524	220	43	21	1	3	3	1 234	5

PERSONAL INJURY ACCIDENTS INVOLVING										
Year	Motor Vehicle And								TOTAL	Other*
	Single Motor Vehicle	Other Motor Vehicle/s	Pedestrian	Cyclist	Rail Road Train	Street Car	Tractor	Animal		
1970	11 463	29 265	6 891	1 869	136	102	59	223	50 371	364
1971	13 163	32 407	6 699	2 472	142	92	77	230	56 117	835
1972	15 203	36 822	7 060	3 120	141	80	101	213	63 541	781
1973	16 733	37 564	6 827	3 329	131	89	90	237	65 335	335
1974	17 515	37 831	6 680	3 446	137	118	83	253	66 352	289
1975	17 274	36 914	6 570	4 218	125	131	101	265	65 811	213
1976	14 700	32 882	6 502	3 432	116	84	76	192	58 028	244
1977	16 135	37 530	6 243	3 182	98	108	82	211	63 787	178
1978	16 093	37 406	5 914	2 881	94	82	85	229	62 664	180
1979	18 382	39 613	5 726	3 128	106	111	96	186	67 201	172
1980	18 392	39 286	5 822	3 284	93	89	82	230	67 391	113
1981	17 920	39 693	5 681	3 351	95	95	68	275	67 292	114

ALL MOTOR VEHICLE ACCIDENTS INVOLVING										
Year	Motor Vehicle And								TOTAL	Other*
	Single Motor Vehicle	Other Motor Vehicle/s	Pedestrian	Cyclist	Rail Road Train	Street Car	Tractor	Animal		
1970	28 511	101 011	7 227	1 918	320	275	145	1 317	141 609	885
1971	32 167	112 671	7 037	2 541	366	298	219	1 402	156 831	2 130
1972	39 033	135 500	7 438	3 217	390	287	250	1 397	189 494	1 982
1973	41 965	137 039	7 161	3 412	322	353	254	1 554	193 021	961
1974	45 720	144 447	6 977	3 508	366	412	224	1 892	204 271	725
1975	48 283	150 252	6 860	4 328	328	536	306	2 159	213 689	637
1976	44 422	153 559	6 739	3 497	321	455	316	1 792	211 865	764
1977	44 457	160 866	6 482	3 271	275	462	294	1 679	218 567	581
1978	40 322	134 290	5 881	2 969	237	311	234	1 361	186 363	448
1979	47 167	132 739	5 978	3 198	257	335	240	1 460	197 196	426
1980	47 121	132 734	5 072	3 385	288	352	243	1 761	196 501	319
1981	46 347	139 439	5 904	3 451	238	385	184	2 109	196 372	314

* Includes Moped Driver
* Includes Horse Drawn Vehicles

SOURCE: ONTARIO MOTOR VEHICLE ACCIDENT FACTS - 1981, Collision and Licensing Records, Licensing and Control Branch, Safety and Regulation, Ontario Ministry of Transportation and Communications.

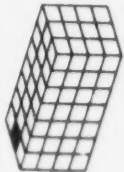
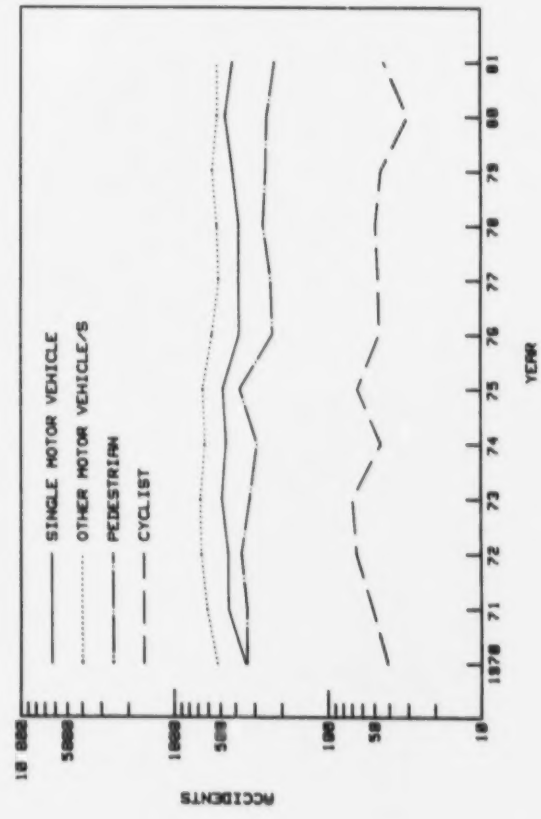
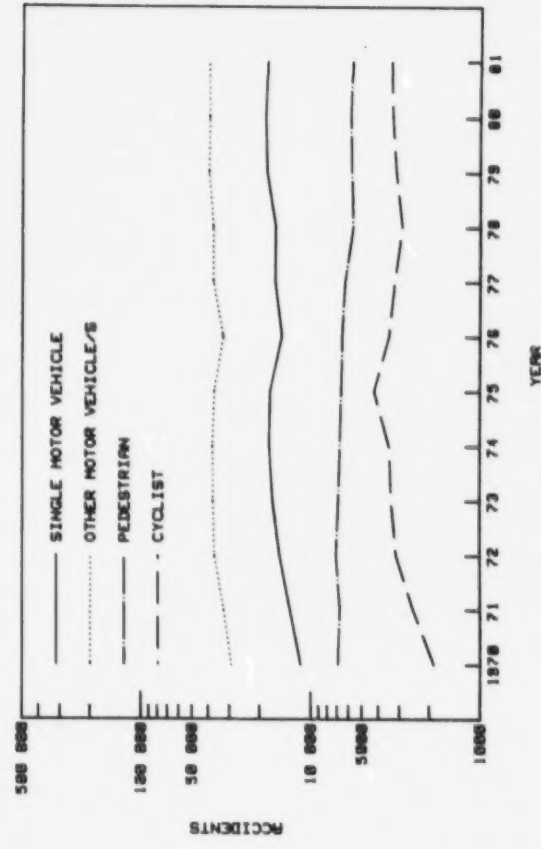


Figure RP 30 - Motor Vehicle Accidents by Type (Based on Impact) in Ontario, 1970-1981

A. FATAL ACCIDENTS INVOLVING MOTOR
VEHICLE AND...



B. PERSONAL INJURY ACCIDENTS INVOLVING
MOTOR VEHICLE AND...



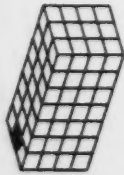


Table RP 31 - Summary Statistics for Local and Off-Highway Carriers, Motor Carrier Classes I, II and III, 1978 and 1980

		1978		1980	
		CANADA	ONTARIO	CANADA	ONTARIO
			PERCENTAGE		PERCENTAGE
			ONTARIO		ONTARIO
Establishments reporting	No.	1 130	304	1 338	315
TOTAL OPERATING REVENUES	\$	504 391 009	112 470 379	582 503 571	129 367 044
Local	\$	310 760 406	81 013 956	356 261 236	100 096 834
Intercity	\$	103 848 612	21 703 657	95 816 047	18 722 833
Off-highway	\$	89 781 991	9 752 766	130 426 288	10 547 377
TOTAL NUMBER OF EMPLOYEES		13 901	3 421	12 403	3 154
Total salaries and wages	\$	203 128 925	43 955 284	213 561 010	49 097 565
Total assets	\$	270 704 232	60 705 782	327 055 778	78 697 420
Total liabilities	\$	197 293 940	47 175 926	226 613 926	55 714 843
Total owner(s) equity	\$	73 410 292	13 529 856	100 441 852	22 982 577
TOTAL EQUIPMENT OPERATED	No.	16 036	4 489	14 395	4 057
Straight trucks	No.	6 793	1 970	6 514	1 852
Truck-tractors	No.	3 576	940	3 154	805
Semi-trailers	No.	5 035	1 419	4 257	1 233
Other	No.	632	160	470	167

NOTE: Classes of Motor Carriers

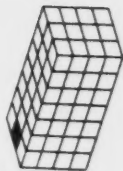
Class I - Establishments which earned gross annual operating revenue of \$2 million or more in 1977 and in 1979.

Class II - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1977 and in 1979.

Class III - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1977 and in 1979.

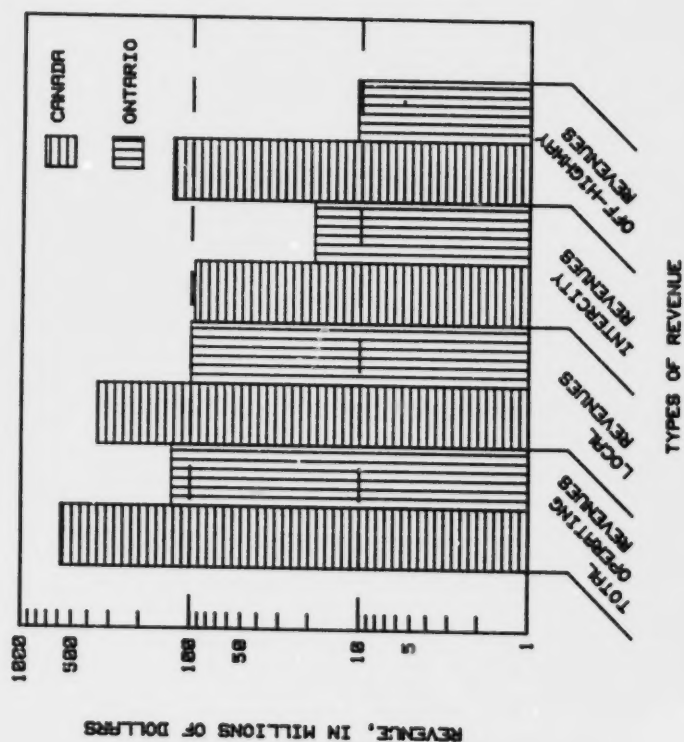
SOURCE: MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1978, Catalogue 53-222, Annual, Statistics Canada, Ottawa, June 1980, pp. 40-41.

MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1980, Catalogue 53-222, Annual, Statistics Canada, Ottawa, August 1982, p 40.



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Figure RP 31 - Types of Revenue for Local and Off-Highway Carriers, Motor Carrier Classes I, II and III, 1980



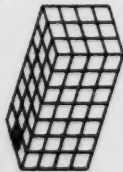


Table RP 32 - Summary Statistics for Intercity Carriers, Motor Carrier Classes I, II and III, 1978 and 1980

		1978			1980		
		CANADA	ONTARIO	PERCENTAGE ONTARIO	CANADA	ONTARIO	PERCENTAGE ONTARIO
Establishments reporting	No.	2 459	684	27.8	2 982	807	27.1%
TOTAL OPERATING REVENUES	\$	3 516 560 991	1 408 105 124	40.0%	4 641 300 960	1 688 139 479	36.4%
Local	\$	220 189 520	95 224 681	43.2%	294 279 934	98 133 211	33.3%
Intercity	\$	3 261 479 980	1 310 704 953	40.2%	4 290 574 318	1 584 544 067	36.9%
Off-highway	\$	34 891 491	2 175 490	6.2%	56 446 708	5 462 201	9.7%
TOTAL NUMBER OF EMPLOYEES		80 497	33 638	41.8%	84 206	32 852	39.0%
Total salaries and wages	\$	1 265 000 934	540 961 063	42.7%	1 725 722 774	690 433 100	40.0%
Total assets	\$	2 027 587 183	831 443 343	41.0%	2 838 957 304	1 078 573 383	38.0%
Total liabilities	\$	1 418 415 952	553 116 185	39.0%	2 076 189 860	768 362 602	37.0%
Total owners equity	\$	609 171 231	278 327 158	45.7%	762 767 444	310 210 781	40.7%
TOTAL EQUIPMENT OPERATED	No.	114 456	50 371	44.0%	127 315	52 680	41.4%
Straight trucks	No.	14 924	5 381	36.1%	15 317	5 338	34.8%
Truck-trailers	No.	29 776	13 059	43.9%	32 428	13 527	41.7%
Semi-trailers	No.	64 408	29 091	45.2%	73 680	31 773	43.1%
Other	No.	5 348	2 840	53.1%	5 890	2 042	34.7%

NOTE: Classes of Motor Carriers

Class I - Establishments which earned gross annual operating revenue of \$2 million or more in 1977 and in 1979.

Class II - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1977 and in 1979.

Class III - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1977 and in 1979.

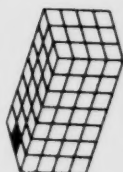
NOTE: CLASSES OF MOTOR CARRIERS:

SOURCE: MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1978, Catalogue 53-222 Annual, Statistics Canada, Ottawa, Ont., June 1980, pp. 40-41.

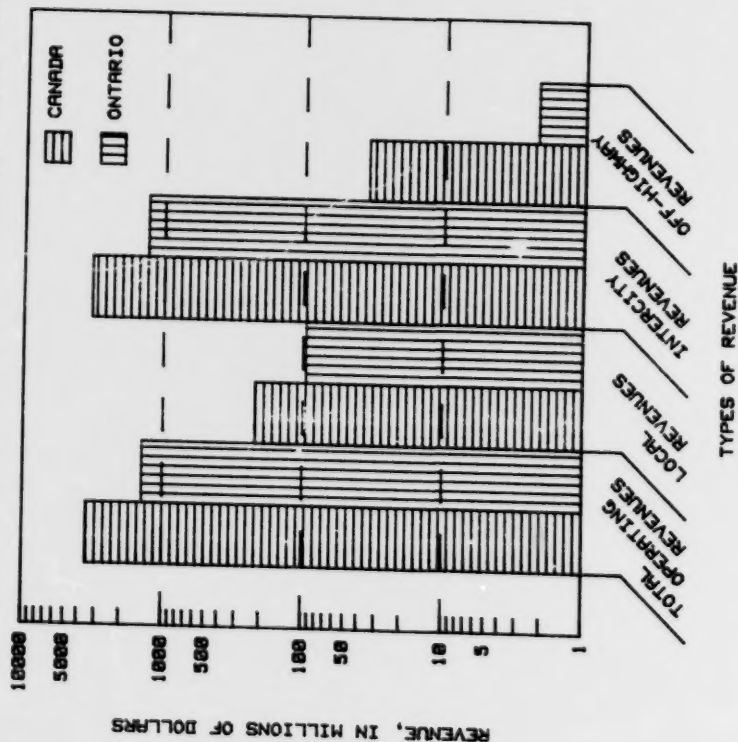
MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1980, Catalogue 53-222 Annual, Statistics Canada, Ottawa, Ont., August 1982, p. 40.

Figure RP 32 - Types of Revenue for Intercity Carriers, Motor Carrier Classes I, II and III, 1978 and 1980

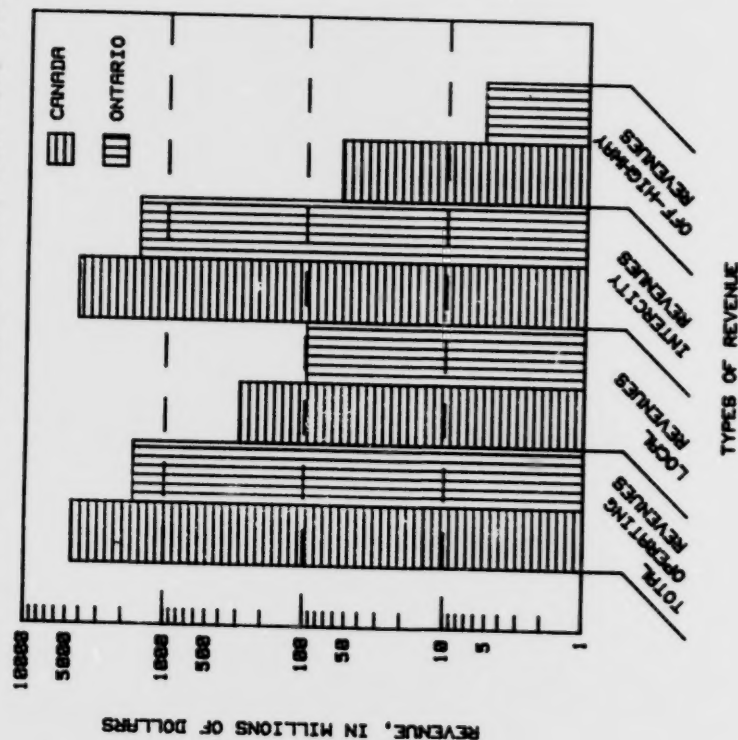
Highways and Roads



TYPES OF REVENUE FOR INTERCITY CARRIERS,
MOTOR CARRIER CLASSES I, II, AND III, 1978



TYPES OF REVENUE FOR INTERCITY CARRIERS,
MOTOR CARRIER CLASSES I, II, AND III, 1980



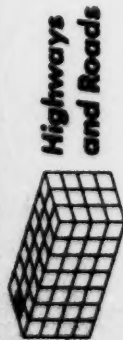


Table RP 33 - Summary Statistics for Interprovincial Carriers, Motor Carrier Classes I, II and III, 1978 and 1980

		1978		1980	
		CANADA	ONTARIO	PERCENTAGE ONTARIO	PERCENTAGE ONTARIO
Establishments reporting	No.	812	185	22.8%	211
TOTAL OPERATING REVENUES	\$	2 359 737 423	832 185 328	35.3%	1 041 132 412
Intraprovincial	\$	1 150 726 937	360 725 894	31.3%	468 437 779
Interprovincial	\$	948 349 922	331 616 982	35.0%	417 958 953
International	\$	260 660 564	139 842 452	53.6%	154 735 680
TOTAL NUMBER OF EMPLOYEES		54 256	21 217	39.1%	16 079
Total salaries and wages	\$	879 745 286	337 914 661	38.4%	357 259 224
Total assets	\$	1 364 447 825	508 999 273	37.3%	542 478 343
Total liabilities	\$	980 171 080	345 621 972	35.3%	404 813 347
Total owners equity	\$	384 276 745	163 377 301	42.5%	137 664 996
TOTAL EQUIPMENT OPERATED	No.	73 186	29 236	39.9%	28 145
Straight trucks	No.	8 206	2 723	33.2%	1 070
Truck-tractors	No.	18 371	7 413	40.3%	7 523
Semi-trailers	No.	43 248	17 117	39.6%	18 607
Other	No.	3 361	1 983	59.0%	945

NOTE: Classes of Motor Carriers:

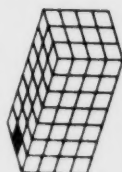
Class I - Establishments which earned gross annual operating revenue of \$2 million or more in 1977 and in 1979.

Class II - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1977 and in 1979.

Class III - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1977 and in 1979.

SOURCE: MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1978, Catalogue 53-222, Annual, Statistics Canada, Ottawa, Ontario, June 1980, pp. 42-43.

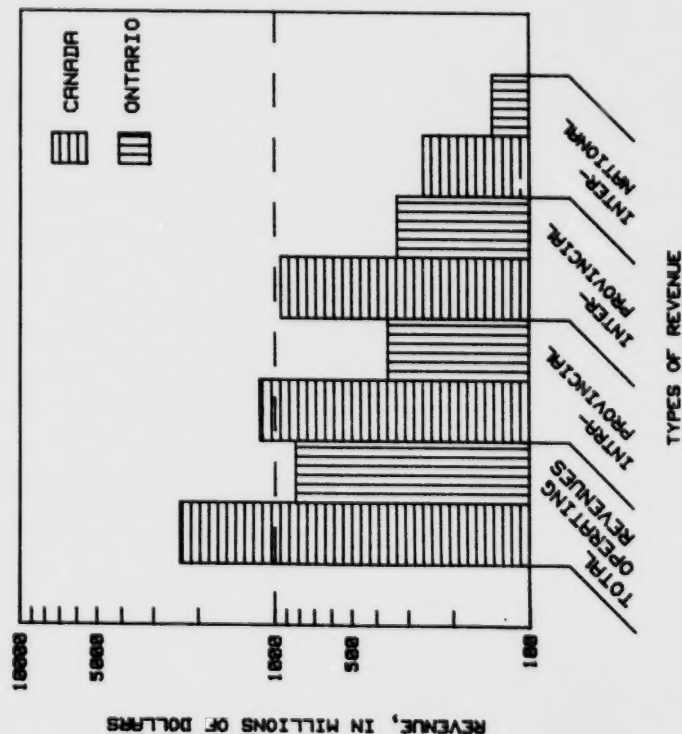
MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1980, Catalogue 53-222, Annual, Statistics Canada, Ottawa, Ontario, August 1982, p. 42.



Highways and Roads

Figure RP 33 - Types of Revenue for Interprovincial Carriers, Motor Carrier Classes I, II and III, 1978 and 1980

TYPES OF REVENUE FOR INTERPROVINCIAL CARRIERS,
MOTOR CARRIER CLASSES I, II, AND III, 1978



TYPES OF REVENUE FOR INTERPROVINCIAL CARRIERS,
MOTOR CARRIER CLASSES I, II, AND III, 1980

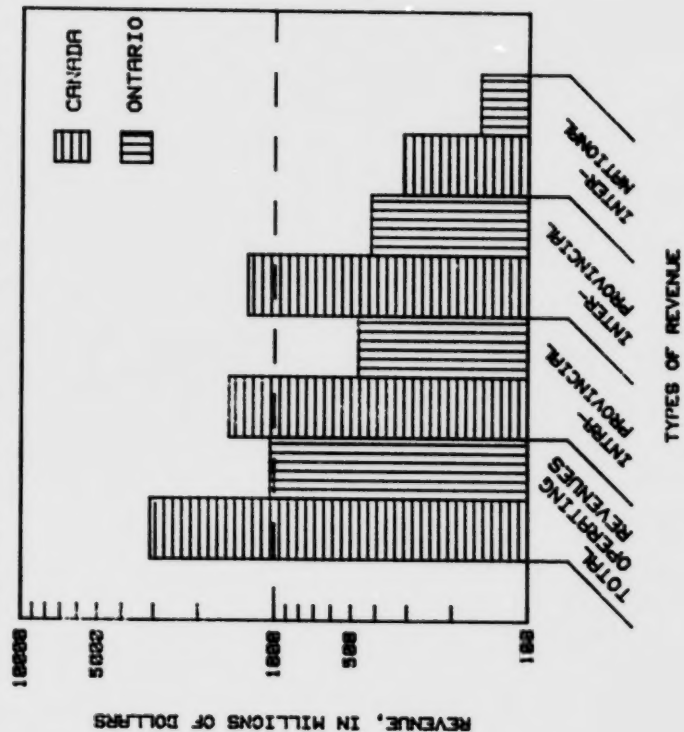


Table RP 34 - Summary Statistics for International Carriers, Motor Carrier Classes I, II and III, 1978 and 1980

			1978		1980	
			CANADA	ONTARIO	PERCENTAGE ONTARIO	PERCENTAGE ONTARIO
Establishments reporting	No.					
TOTAL OPERATING REVENUES	\$					
Intraprovincial	\$	1 449 519 183	724 839 691	36.3%	175	33.5%
Interprovincial	\$	630 071 725	286 998 624	50.0%	866 308 266	44.6%
International	\$	419 005 724	183 672 647	45.6%	378 185 855	42.7%
	\$	400 441 734	254 168 420	43.8%	211 376 401	37.3%
				63.5%	276 746 010	56.6%
TOTAL NUMBER OF EMPLOYEES						
Total salaries and wages	\$	30 141	16 198	53.7%	16 079	50.8%
Total assets	\$	518 639 944	276 586 122	53.3%	357 259 224	51.1%
Total liabilities	\$	835 772 253	408 201 954	48.8%	542 478 343	47.7%
Total owners equity	\$	605 725 351	284 960 385	47.0%	404 813 347	46.9%
	\$	230 046 902	123 241 569	53.6%	137 664 996	50.0%
TOTAL EQUIPMENT OPERATED	No.					
Straight trucks	No.	46 213	25 170	54.5%	28 145	54.0%
Truck-tractors	No.	2 736	1 126	41.1%	1 070	38.7%
Semi-trailers	No.	12 196	6 767	55.5%	7 523	55.1%
Other	No.	28 934	15 644	54.1%	18 607	55.0%
	No.	2 347	1 633	69.6%	945	49.3%

NOTE: Classes of Motor Carriers:

Class I - Establishments which earned gross annual operating revenue of \$2 million or more in 1977 and in 1979.

Class II - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1977 and in 1979.

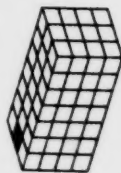
Class III - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1977 and in 1979.

SOURCE:

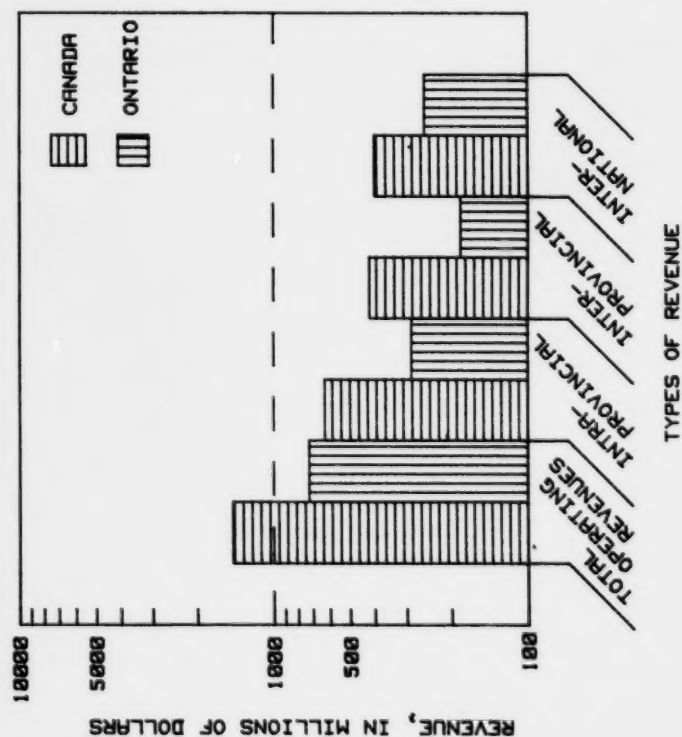
MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1978, Catalogue 53-222 Annual, Statistics Canada, Ottawa, Ontario, June 1980 pp. 42-43.

MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1980, Catalogue 53-222 Annual, Statistics Canada, Ottawa, Ontario, August 1982, pp. 42.

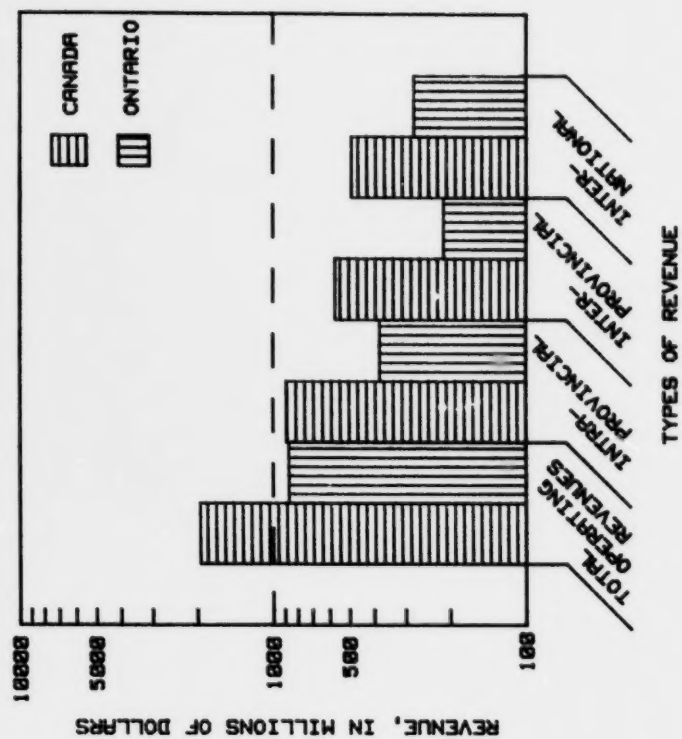
Highways and Roads



TYPES OF REVENUE FOR INTERNATIONAL CARRIERS,
MOTOR CARRIER CLASSES I, II, AND III, 1978



TYPES OF REVENUE FOR INTERNATIONAL CARRIERS, MOTOR CARRIER CLASSES I, II, AND III, 1980



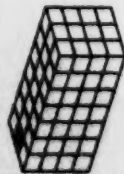


Table RP 35 - Summary Statistics for Common Carriers, Motor Carrier Classes I, II and III, 1978 and 1980

		1978		1980	
		CANADA	ONTARIO	CANADA	ONTARIO
Establishments reporting	No.	1 978	633	2 316	689
TOTAL OPERATING REVENUES	\$	3 204 526 179	1 350 269 983	4 069 412 873	1 561 674 643
					38.4%
TOTAL NUMBER OF EMPLOYEES		76 445	32 772	75 991	30 807
Total salaries and wages	\$	1 206 304 053	526 802 003	1 566 450 816	648 960 424
Total assets	\$	1 796 205 266	789 877 379	2 457 372 450	997 822 476
Total liabilities	\$	1 271 576 073	535 017 688	1 802 169 841	725 606 041
Total owners equity	\$	524 629 193	254 859 691	655 202 609	272 216 435
					41.5%
TOTAL EQUIPMENT OPERATED	No.	105 970	48 920	113 393	49 781
Straight trucks	No.	15 885	5 559	15 384	5 097
Truck-tractors	No.	26 245	12 429	27 471	12 569
Semi-trailers	No.	58 881	28 273	65 375	30 366
Other	No.	4 959	2 659	5 163	1 749
					33.9%

NOTE: Classes of Motor Carriers

Class I - Establishments which earned gross annual operating revenue of \$2 million or more in 1977 and in 1979.

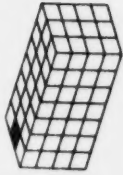
Class II - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1977 and in 1979.

Class III - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1977 and in 1979.

Common motor carrier - An establishment that for compensation, undertakes to transport the goods of others by means of a motor vehicle.

SOURCE: MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1978, Catalogue 53-222, Annual, Statistics Canada, Ottawa, Ontario, June 1980, pp. 44-45.

MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1980, Catalogue 53-222, Annual, Statistics Canada, Ottawa, Ontario, August 1982, n. 42.



Highways and Roads

Figure RP 35 – Total Operating Revenues for Common Carriers, Motor Carrier Classes I, II and III, 1978 and 1980

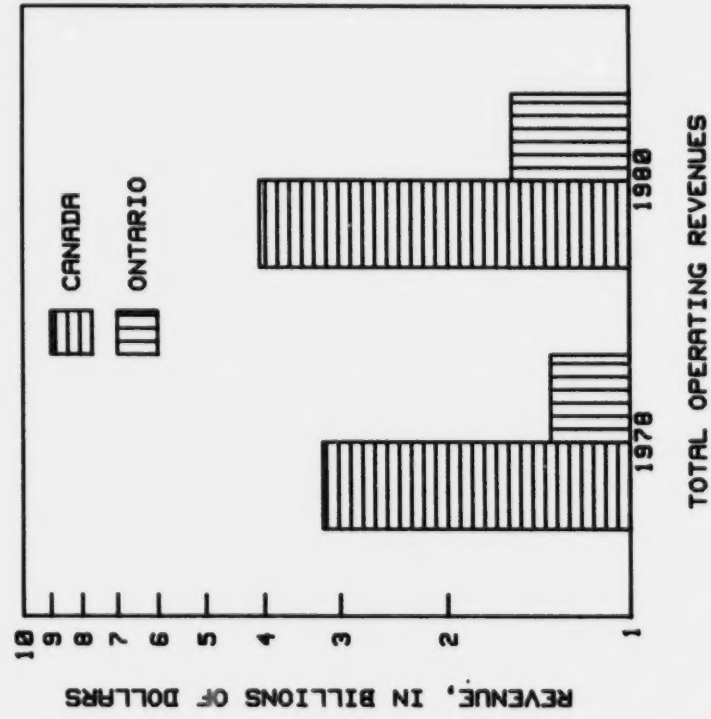


Table RP 36 - Summary Statistics for Contract Carriers, Motor Carrier Classes I, II and III, 1978 and 1980

		1978		1980	
		CANADA	ONTARIO	PERCENTAGE ONTARIO	PERCENTAGE ONTARIO
Establishments reporting	No.	1 611	355	22.0%	433 21.6%
TOTAL OPERATING REVENUES	\$	816 425 821	170 305 520	20.9%	255 831 880 22.2%
TOTAL NUMBER OF EMPLOYEES		17 953	4 287	23.9%	5 199 25.2%
Total salaries and wages	\$	261 825 806	58 114 344	22.2%	90 570 241 24.3%
Total assets	\$	502 086 149	102 271 746	20.4%	159 448 327 22.5%
Total liabilities	\$	344 133 819	65 274 423	19.0%	98 471 404 19.7%
Total owners equity	\$	157 952 330	36 997 323	23.4%	60 976 923 29.3%
TOTAL EQUIPMENT OPERATED	No.	24 522	5 940	24.2%	6 956 24.6%
Straight trucks	No.	5 832	1 792	30.7%	2 093 32.5%
Truck-trailors	No.	7 107	1 570	22.1%	1 763 21.7%
Semi-trailers	No.	10 562	2 237	21.2%	2 640 21.0%
Other	No.	1 021	341	33.4%	460 38.4%

NOTE: Classes of Motor Carriers

Class I - Establishments which earned gross annual operating revenue of \$2 million or more in 1977 and in 1979.

Class II - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1977 and in 1979.

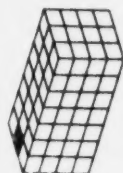
Class III - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1977 and in 1979.

Contract motor carrier - An establishment, that for compensation, undertakes to transport the goods for one or a limited number of consignors by means of a motor vehicle.

SOURCE: MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1978, Catalogue 53-222, Annual, Statistics Canada, Ottawa, Ontario, June 1980, pp. 44-45.

MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1980, Catalogue 53-222, Annual, Statistics Canada, Ottawa, Ontario, August 1982, p. 44.

Figure RP 36 — Total Operating Revenues for Contract Carriers, Motor Carrier Classes I, II and III, 1978 and 1980



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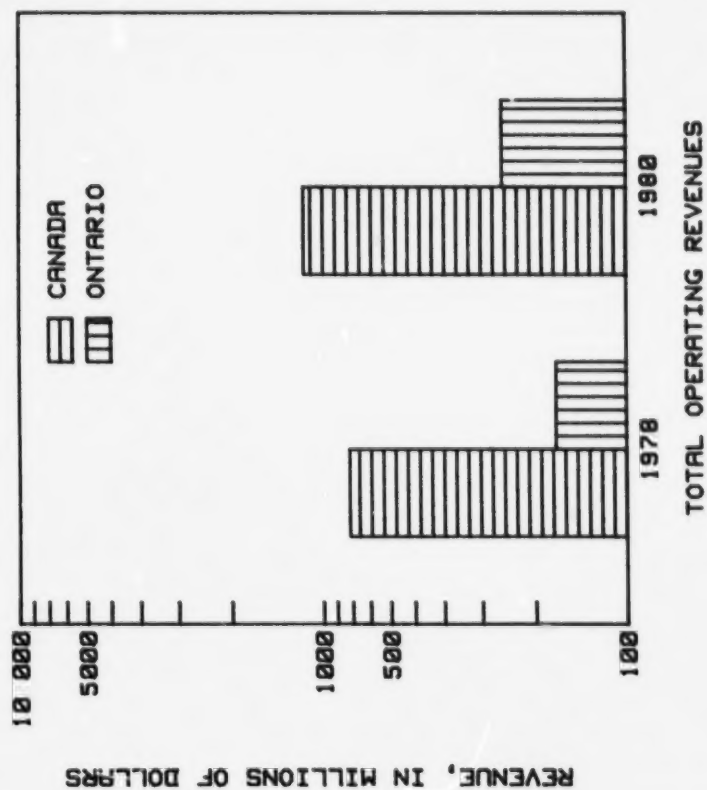




Table RP 37 - Summary Statistics for General Freight Carriers, Motor Carrier Classes I, II and III, 1978 and 1980

		1978		1980	
		CANADA	ONTARIO	CANADA	ONTARIO
Establishments reporting	No.	1 364	416	1 399	428
TOTAL OPERATING REVENUES	\$	2 444 563 146	1 060 896 324	2 797 923 631	1 273 410 720
Local	\$	318 092 952	118 792 271	330 540 588	122 614 209
Intercity	\$	2 119 864 907	941 403 081	2 460 690 094	1 148 117 381
Off-highway	\$	6 595 287	700 972	6 692 949	2 679 130
TOTAL NUMBER OF EMPLOYEES		64 522	27 798	60 643	26 951
Total salaries and wages	\$	1 004 640 566	439 876 073	1 236 109 340	570 633 351
Total assets	\$	1 388 063 442	628 449 840	1 740 153 764	818 107 356
Total liabilities	\$	973 917 328	416 112 183	1 267 293 761	591 820 141
Total owners equity	\$	414 146 114	212 337 657	472 860 003	226 287 215
TOTAL EQUIPMENT OPERATED	No.	84 489	40 158	83 492	41 706
Straight trucks	No.	14 737	5 024	14 222	5 104
Truck-tractors	No.	20 028	9 578	19 072	9 664
Semi-trailers	No.	45 511	23 115	46 597	25 283
Other	No.	4 213	2 441	3 601	1 655

NOTE: Classes of Motor Carriers

Class I - Establishments which earned gross annual operating revenue of \$2 million or more in 1977 and in 1979.

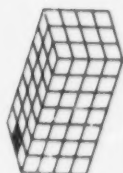
Class II - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1977 and in 1979.

Class III - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1977 and in 1979.

Common and Contract Carriers are further designated as General Freight or Specialized Carriers. General Carriers may haul a wide variety of packaged goods, called general commodities, household goods, heavy and dangerous materials and other articles requiring special handling or special equipment.

SOURCE: MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1978, Catalogue 53-222, Annual, Statistics Canada, Ottawa, Ontario, June 1980, pp. 46-47.

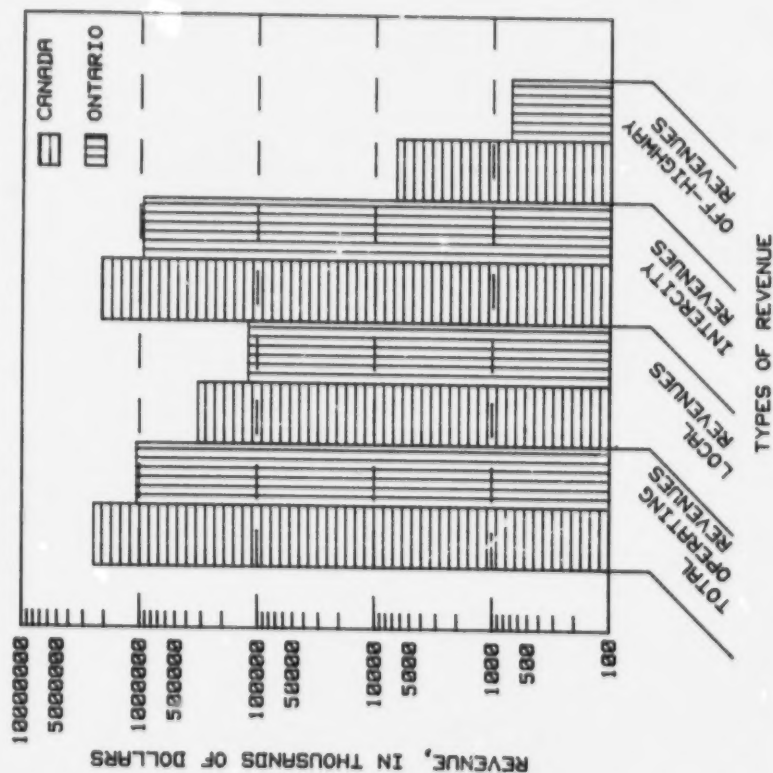
MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1980, Catalogue 53-222, Annual, Statistics Canada, Ottawa, Ontario, August 1982, p. 46.



Highways and Roads

Figure RP 37 — Types of Revenue for General Freight Carriers, Motor Carrier Classes I, II and III, 1978 and 1980

TYPES OF REVENUE FOR GENERAL FREIGHT CARRIERS,
MOTOR CARRIER CLASSES I, II, AND III, 1978



TYPES OF REVENUE FOR GENERAL FREIGHT CARRIERS,
MOTOR CARRIER CLASSES I, II, AND III, 1980

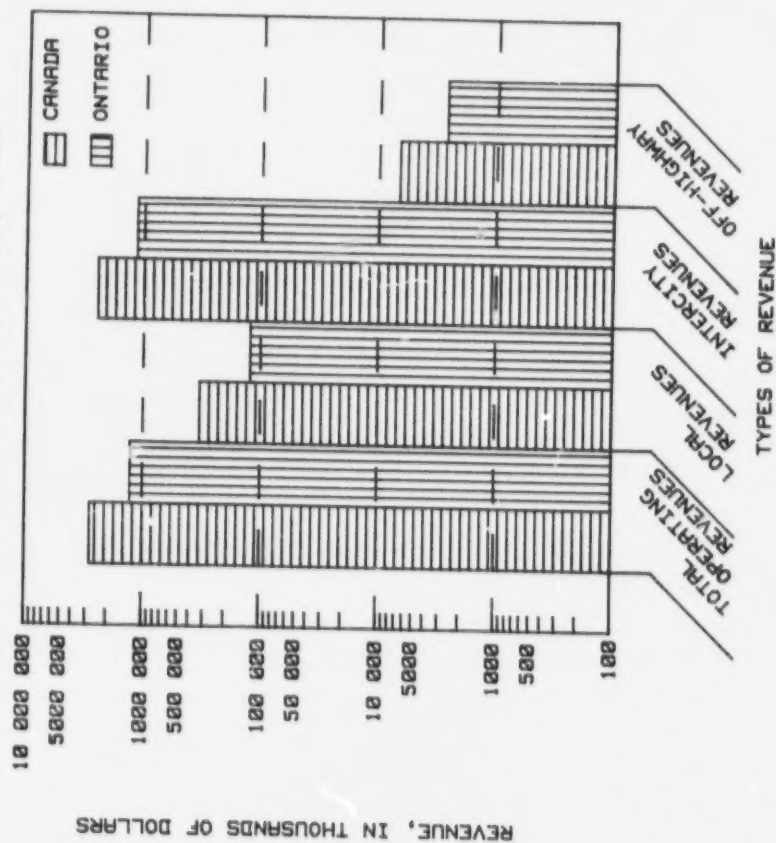


**Table RP 38 - Summary Statistics for Forest Products, Dump and Bulk Liquid Carriers, Motor Carrier Classes I, II and III, 1978 and 1980**

		1978		1980		PERCENTAGE	
		CANADA	ONTARIO	CANADA	ONTARIO	CANADA	ONTARIO
Establishments reporting	No.	1 376	321	1 837	403		21.9%
TOTAL OPERATING REVENUES	\$	451 705 170	114 272 133	884 855 998	190 029 295		21.5%
Local	\$	90 704 147	25 073 416	171 047 966	44 501 461		26.0%
Intercity	\$	207 534 865	82 851 658	602 174 345	134 169 887		22.3%
Off-highway	\$	63 466 167	6 347 059	111 633 687	11 357 947		10.2%
TOTAL NUMBER OF EMPLOYEES		9 444	2 386	13 815	3 375		24.4%
Total salaries and wages	\$	124 353 279	30 708 280	251 828 813	56 637 196		22.5%
Total assets	\$	279 869 434	80 387 731	550 632 139	147 520 057		26.8%
Total liabilities	\$	192 399 575	51 432 282	376 582 454	95 734 865		25.4%
Total owners equity	\$	87 469 859	28 955 449	174 049 685	51 785 192		29.8%
TOTAL EQUIPMENT OPERATED	No.	12 791	3 402	19 023	4 877		25.6%
Straight trucks	No.	3 568	1 057	4 363	1 199		27.5%
Truck-tractors	No.	3 932	940	5 697	1 446		25.4%
Semi-trailers	No.	4 895	1 276	8 278	2 078		25.1%
Other	No.	396	129	685	154		22.5%

NOTE: Classes of Motor Carriers

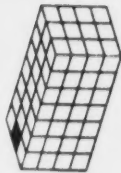
Class I - Establishments which earned gross annual operating revenue of \$2 million or more in 1977 and in 1979.

Class II - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1977 and in 1979.

Class III - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1977 and in 1979.

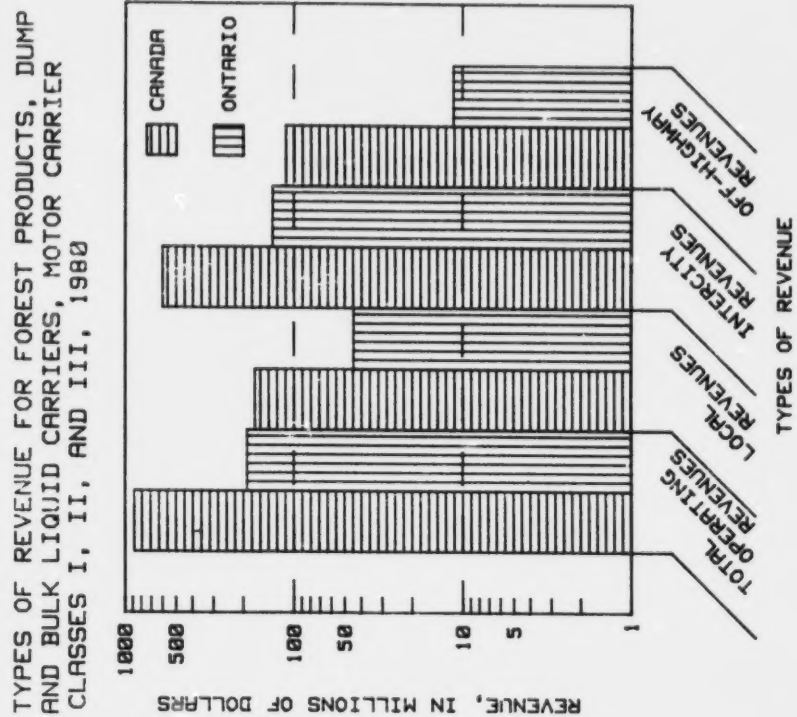
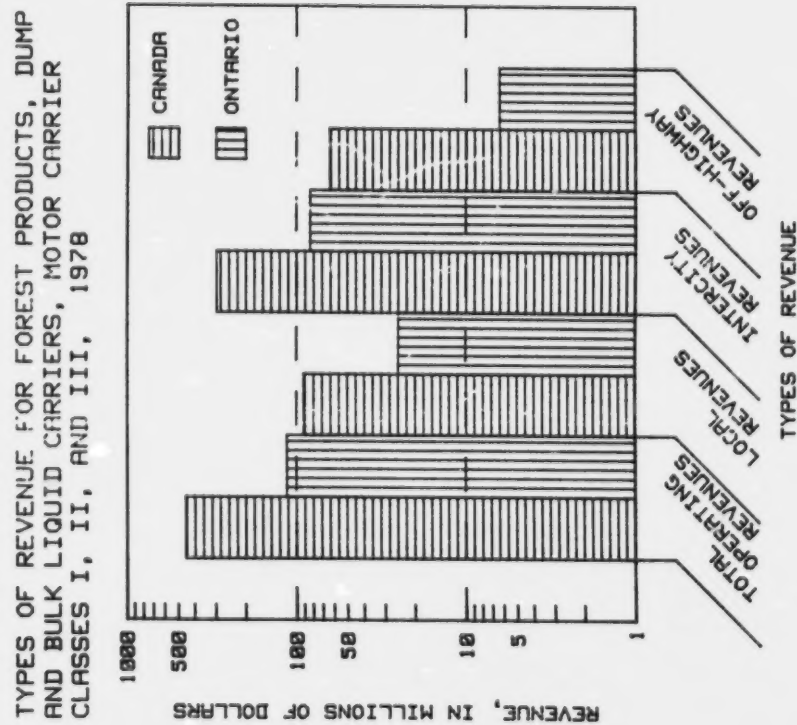
SOURCE: MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1978, Catalogue 53-222, Annual, Statistics Canada, Ottawa, Ontario, June 1980, pp. 46-47.

MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1980, Catalogue 53-222, Annual, Statistics Canada, Ottawa, Ontario, August 1982, p. 46.



Highways and Roads

Figure RP 38 - Types of Revenue for Forest Products, Dump and Bulk Liquid Carriers, Motor Carrier Classes I, II and III, 1978 and 1980



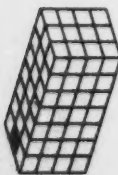


Table RP 39 - Summary Statistics for Other Carriers, Motor Carrier Classes I, II and III, 1978 and 1980

		1978		1980	
		CANADA	ONTARIO	CANADA	ONTARIO
Establishments reporting	No.	849	251	1 084	291
TOTAL OPERATING REVENUES	\$	1 124 683 675	345 407 046	1 541 024 902	354 066 508
Local	\$	122 162 827	32 372 950	148 952 614	31 114 375
Inter-city	\$	947 908 820	308 153 871	1 323 525 928	320 979 632
Off-highway	\$	54 612 028	4 880 225	68 546 360	1 972 501
TOTAL NUMBER OF EMPLOYEES		20 432	6 875	22 148	5 680
Total salaries and wages	\$	339 136 014	114 331 994	451 345 631	112 260 118
Total assets	\$	630 358 539	183 311 554	875 227 179	191 643 390
Total liabilities	\$	449 392 989	132 747 646	658 927 571	136 522 349
Total owners equity	\$	180 965 550	50 563 908	216 299 608	55 120 951
TOTAL EQUIPMENT OPERATED	No.	33 212	11 300	39 195	10 154
Straight trucks	No.	3 412	1 270	3 246	887
Truck-tractors	No.	9 392	3 481	10 813	3 222
Semi-trailers	No.	19 037	6 119	23 062	5 645
Other	No.	1 371	430	2 074	400
					19.3%

NOTE:

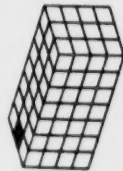
Classes of Motor Carriers -
Class I - Establishments which earned gross annual operating revenue of \$2 million or more in 1977 and in 1979.

Class II - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1977 and in 1979.

Class III - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1977 and in 1979.

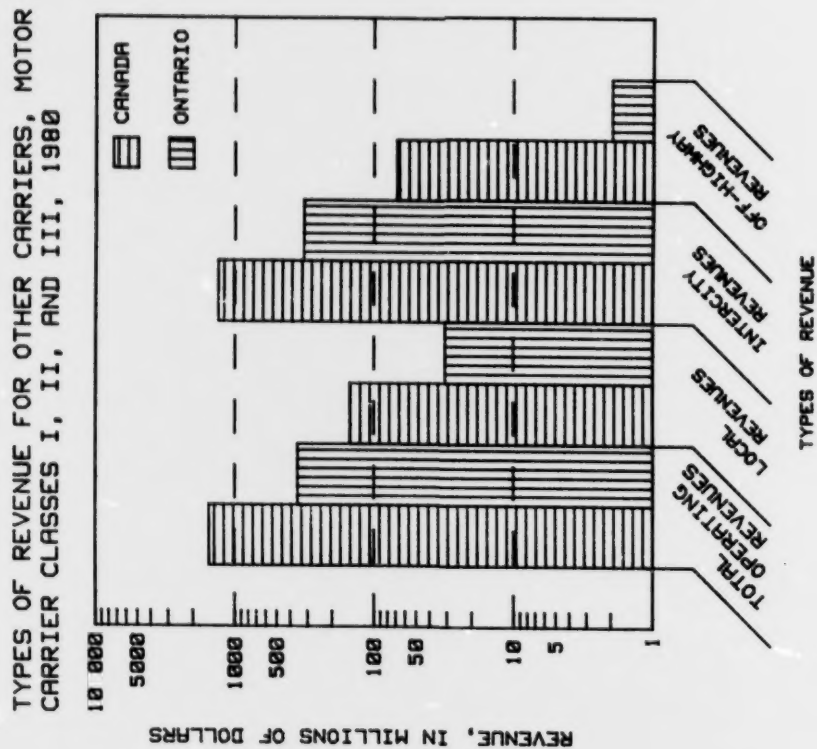
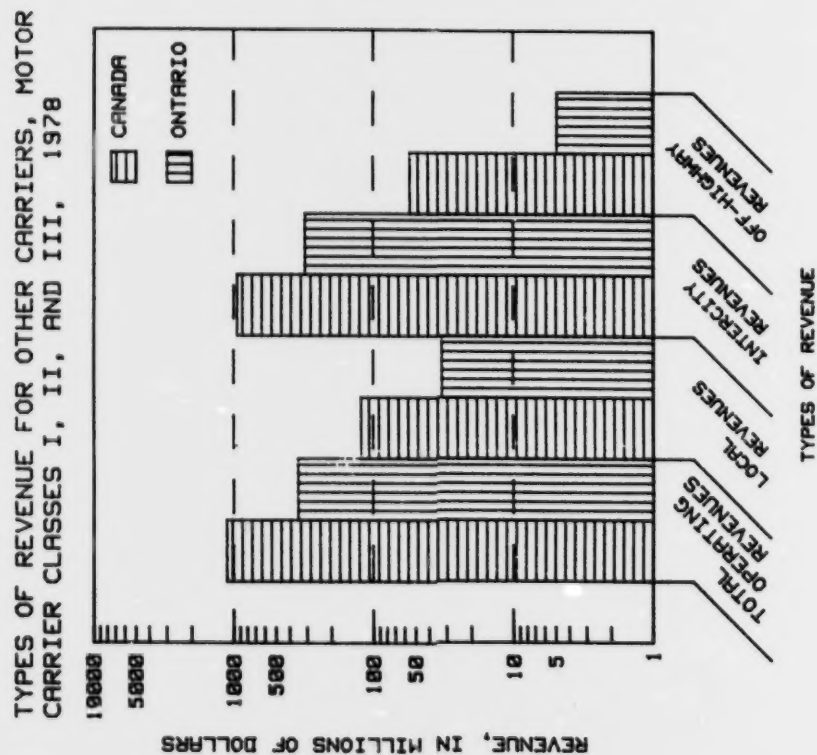
SOURCE: MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1978, Catalogue 53-222, Annual, Statistics Canada, Ottawa, Ont., June 1980, pp. 48-49.

MOTOR CARRIERS - FREIGHT AND HOUSEHOLD GOODS MOVERS, 1980, Catalogue 53-222, Annual, Statistics Canada, Ottawa, Ontario, August 1982, p. 48.



Highways and Roads

Figure RP 39 — Types of Revenue for Other Carriers, Motor Carrier Classes I, II and III, 1978 and 1980



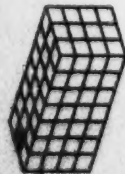


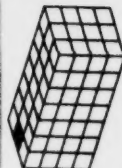
Table RP 40 — Annual Truck Tonne-Kilometres, by Country, 1960, 1970, 1973 and 1977

COUNTRY	THOUSAND MILLION TONNE-KILOMETRES				ANNUAL AVERAGE PERCENTAGE CHANGE		
	1960	1970	1973	1977	1960-70	1970-73	1973-77
Canada	26.7	38.7	47.4	50.0	3.8	7.0	1.3
U.S.	967.0	1 397.9	1 713.5	1 883.1	3.8	7.0	2.4
Australia	15.2	18.7	20.1	26.6	2.1	2.4	7.3
France	30.6	66.9	89.7	112.0	8.0	10.3	5.7
West Germany	35.0	78.7	99.5	106.9	8.5	8.1	1.8
Italy	37.2	58.7	60.4	59.7	4.8	1.0	-3
Japan	38.3	135.9	141.0	136.7	13.6	1.2	-8
U.K.	49.2	83.1	91.6	98.0	5.4	3.3	1.7
U.S.S.R.	98.5	220.8	283.8	373.3	8.4	8.7	7.1
TOTAL	1 297.7	2 009.4	2 547.0	2 846.3	4.9	6.7	2.8

SOURCE:

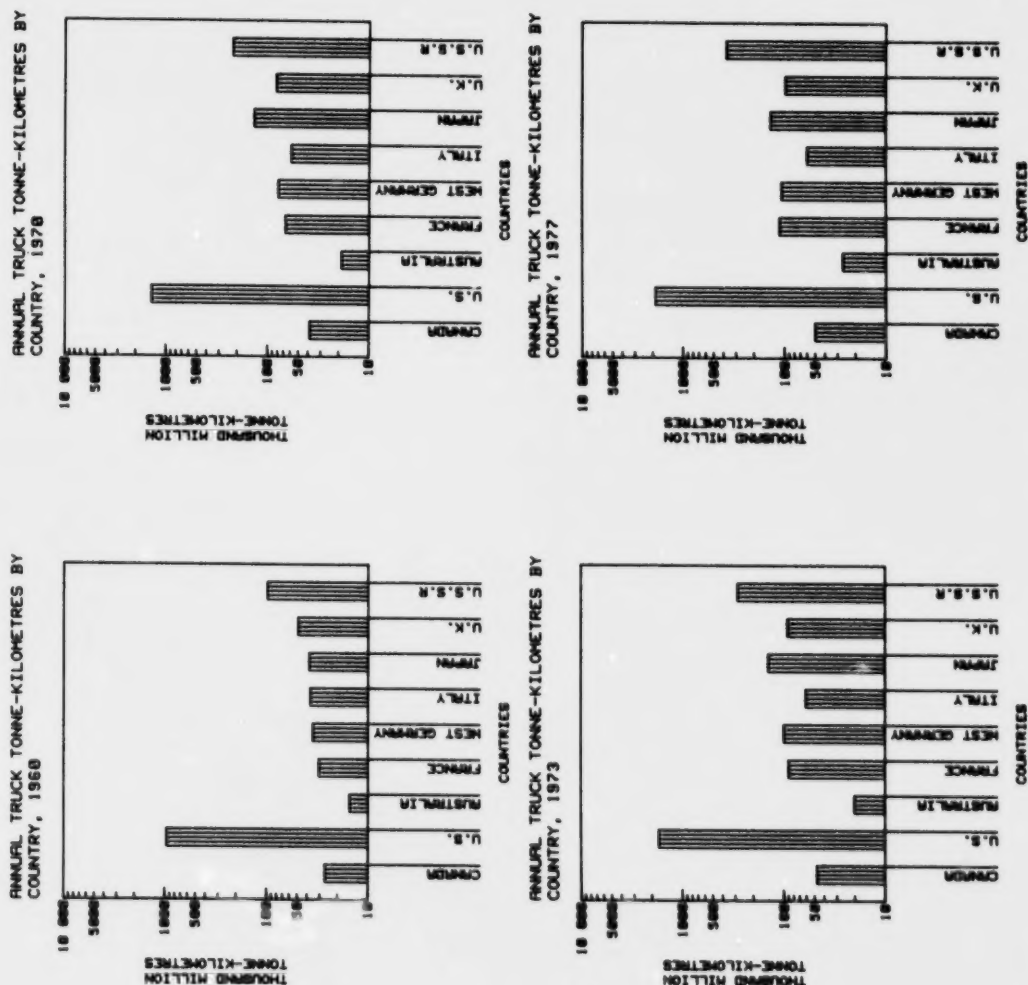
- U.N. Yearbook, 1977 and earlier issues;
- U.S. Statistical Abstract, 1978;
- International Road Federation: World Road Statistics, 1966-70;
- U.N. Annual Bulletin of Transport Statistics, 1978 and earlier issues;
- Statistics Canada: Survey of For-Hire Trucking, 1977 and earlier issues, as shown in

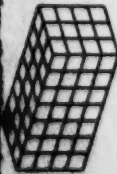
PASSENGER AND GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON, 1960-1977, Transport Canada, Strategic Planning, Catalogue 122-53/1981, Ottawa, Ontario, May 1981.



Highways and Roads

Figure RP 40 - Annual Truck Tonne-Kilometres, by Country, 1960, 1970, 1973 and 1977

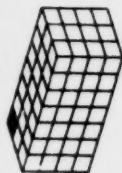


**Table RF 1 - Expenditures by Highway and Road Systems in Ontario, for the Fiscal Year 1979/80 and 1981/82**

	FOR THE FISCAL YEAR 1979/80 ENDING MARCH 31, 1980 IN DOLLARS		FOR THE FISCAL YEAR 1981/82 ENDING MARCH 31, 1982 IN DOLLARS	
	Construction	Maintenance	Construction	Maintenance
King's Highways	230 860 469	85 991 701	261 421 414	105 806 924
Secondary Highways (Highway Numbers in the 500 and 600 series)	24 930 248	20 393 715	31 899 528	25 525 283
Tertiary Roads (Highway Numbers in the 800 series)	4 467 021	902 643	1 120 355	1 251 849
Access, Industrial and Arterial Roads (Highway Numbers in the 700 series)	9 159 666	332 965	18 413 052	265 562
Unincorporated Townships	2 228 369	3 021 304	2 137 819	5 633 854
Special Programs	39 218 402	5 346 199	36 254 507	10 192 595
Highway and Road Totals	310 864 175	115 988 527	351 246 675	148 676 067
Sundry Unallocated, District Office Administration, Engineering, Buildings, Inventory Charges, etc.	(68 293 667)	20 784 959	(81 857 790)	23 217 435
Total Expenditures	242 570 508	136 773 486	269 388 885	171 893 502

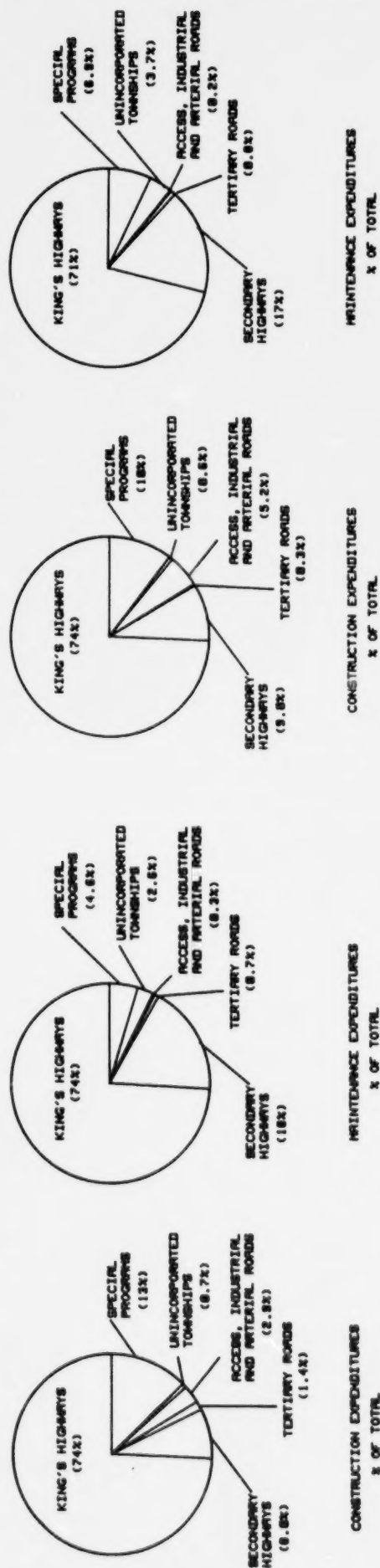
SOURCE: ANNUAL REPORT 1979-1980 for the fiscal year ending March 31, 1980, Ontario Ministry of Transportation and Communications.

ANNUAL REPORT 1981-1982 for the Fiscal Year Ending March 31, 1982, Ontario Ministry of Transportation and Communications.



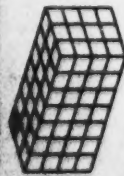
Highways and Roads

Figure RF 1 - Expenditures by Highway and Road Systems in Ontario for the Fiscal Year 1979/80 and 1981/82



EXPENDITURES BY HIGHWAY AND ROAD SYSTEMS
FOR THE FISCAL YEAR 1979/80 ENDING MARCH 31, 1980

EXPENDITURES BY HIGHWAY AND ROAD SYSTEMS
FOR THE FISCAL YEAR 1981/82 ENDING MARCH 31, 1982



Highways and Roads

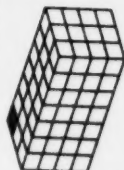
Table RF 2 - Ministry of Transportation and Communications, Statement of Expenditure by Program in Ontario, for the Fiscal Year Ended March 31, 1980; March 31, 1982 and March 31, 1983

Programs	A. For the Year Ended March 31, 1980			B. For the Year Ended March 31, 1982			C. For the Year Ended March 31, 1983		
	1978-79		1979-80	1981-82		1982-83	1981-82		1982-83
	Actual	Appropriations		Actual	Appropriations		Actual	Appropriations	
Ministry Administration	29 687 745	32 721 920	31 967 912	31 900 947	36 708 548	36 357 186	36 357 186	39 500 400	39 014 427
Planning, Research and Development	30 405 840	24 514 000	23 931 483	10 140 821	12 651 100	12 607 880	12 607 880	10 592 300	10 474 416
Safety and Regulation	35 685 061	43 722 000	42 527 742	44 949 445	53 556 800	53 238 593	53 238 593	67 592 800	66 997 237
Provincial Roads	414 432 482	448 295 000	449 355 169	494 046 418	510 429 500	499 452 932	499 452 932	546 282 100	540 267 526
Provincial Transit	50 855 090	73 535 000	73 517 651	66 158 312	83 436 000	81 473 563	81 473 563	99 416 000	97 554 400
Air	3 423 442	4 289 000	3 645 443	5 873 538	5 163 900	4 829 264	4 829 264	7 949 000	6 453 109
Municipal Roads	364 381 535	391 813 000	388 802 475	424 180 739	455 660 700	455 527 976	455 527 976	483 725 000	483 705 656
Municipal Transit	138 561 542	154 868 000	124 436 080	133 792 671	181 460 500	176 867 014	176 867 014	199 775 000	198 967 992
Communications	2 365 176	2 076 000	1 769 744	2 302 932	2 622 800	2 353 816	2 353 816	2 568 700	2 172 149
MINISTRY TOTAL	1 069 797 913	1 175 823 920	1 139 953 699	1 213 345 823	1 341 689 848*	1 322 708 224	1 322 708 224	1 457 401 300	1 445 606 912
Accounting Classification									
Total Budgetary Expenditure	1 069 005 763	1 175 823 920	1 138 391 890	1 212 247 268	1 341 689 848	1 322 704 024	1 322 704 024	1 457 401 300	1 445 526 153
Total Charges	792 150		1 561 809	1 098 555		4 200	4 200		80 759
	1 069 797 913	1 175 823 920	1 139 953 699	1 213 345 823	1 341 689 848	1 322 708 224	1 322 708 224	1 457 401 300	1 445 606 912

SOURCE: PUBLIC ACCOUNTS 1979-80, VOLUME 1 - FINANCIAL STATEMENTS, ONTARIO. Published by the Ministry of Treasury and Economics. Printed by J.C. Hatcher, Queen's Printer for Ontario, p. 4-335.

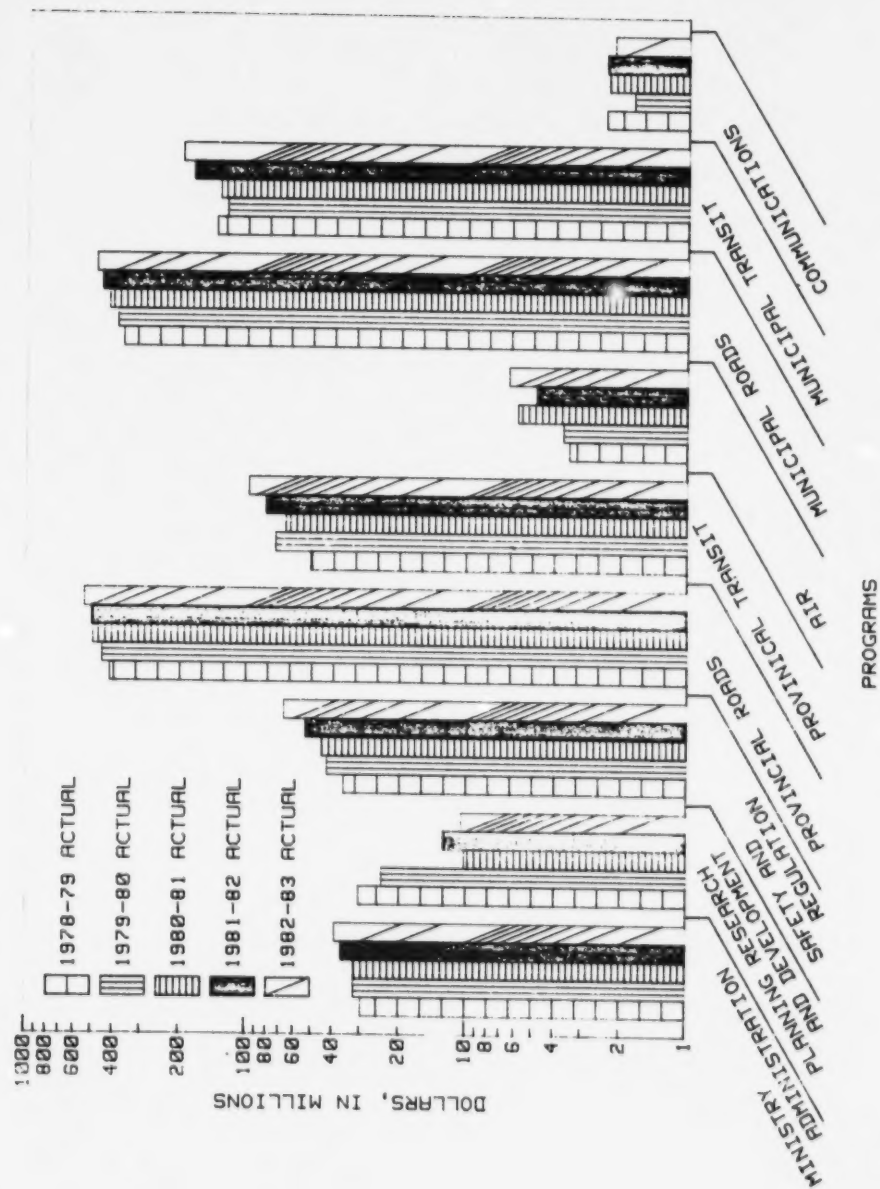
NOTE: *Includes Special Warrant of 283 650 000.
SOURCE: PUBLIC ACCOUNTS 1981-82, VOLUME 1 - FINANCIAL STATEMENTS, ONTARIO. Published by the Ministry of Treasury and Economics. Printed by Alan Gordon, Queen's Printer for Ontario, p. 4-407.

SOURCE: PUBLIC ACCOUNTS 1982 - 1983, VOLUME 1 - FINANCIAL STATEMENTS, ONTARIO. Published by the Ministry of Treasury and Economics. Printed by Alan Gordon, Queen's Printer for Ontario, p. 4-403.



Highways and Roads

Figure RF 2 - Ministry of Transportation and Communications, Expenditure by Program in Ontario, for the Fiscal Year Ended
March 31, 1980; March 31, 1982 and March 31, 1983



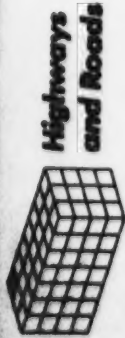


Table RF 3 - Comparative Expenditures for Northern and Southern Ontario on a Cost per Kilometre Basis, 1976/77 - 1982/83

Fiscal Year	EXPENDITURE		Kilometre Point-to-Point King's Secondary Highways and Tertiary Roads	COST PER KILOMETRE		
	Construction \$	Maintenance \$		Construction \$	Maintenance \$	
1982/83	Northern Ontario Southern Ontario TOTAL	97 376 506 227 645 453 325 021 959	61 093 885 126 089 870 187 183 755	11 225.0 10 315.6 21 540.6	8 675 22 068 15 089	5 433 12 223 8 690
1981/82	Northern Ontario Southern Ontario TOTAL	72 942 677 218 324 356 291 267 033	56 047 857 121 344 418 177 392 275	11 225.0 10 354.6 21 609.6	6 481 21 085 13 479	4 980 11 719 8 209
1980/81	Northern Ontario Southern Ontario TOTAL	81 595 332 223 357 119 304 953 451	51 147 399 112 933 032 164 080 431	11 219.2 10 368.2 21 587.4	7 273 21 543 14 126	4 559 10 892 7 601
1979/80	Northern Ontario Southern Ontario TOTAL	59 989 225 222 625 010 282 614 235	45 678 095 99 150 518 144 828 613	11 249.8 10 326.7 21 575.5	5 333 21 558 13 099	4 061 9 601 6 713
1978/79	Northern Ontario Southern Ontario ONTARIO - TOTAL	23 843 448 188 802 865 212 646 313	41 875 953 93 342 461 135 218 414	10 147.7 11 296.7 21 444.4	2 350.00 16 713.00 9 916.00	4 127.00 8 263.00 6 306.00
1977/78	Northern Ontario Southern Ontario ONTARIO - TOTAL	25 666 238 174 070 163 199 736 401	37 941 527 86 757 692 124 699 219	10 155.7 11 319.9 21 475.6	2 527.00 15 377.00 9 301.00	3 736.00 7 664.00 5 807.00
1976/77	Northern Ontario Southern Ontario ONTARIO - TOTAL	29 240 143 197 514 663 226 754 806	25 944 105 88 482 824 114 426 929	10 068.2 11 258.1 21 326.3	2 904.00 17 544.00 10 633.00	2 577.00 7 859.00 5 365.00

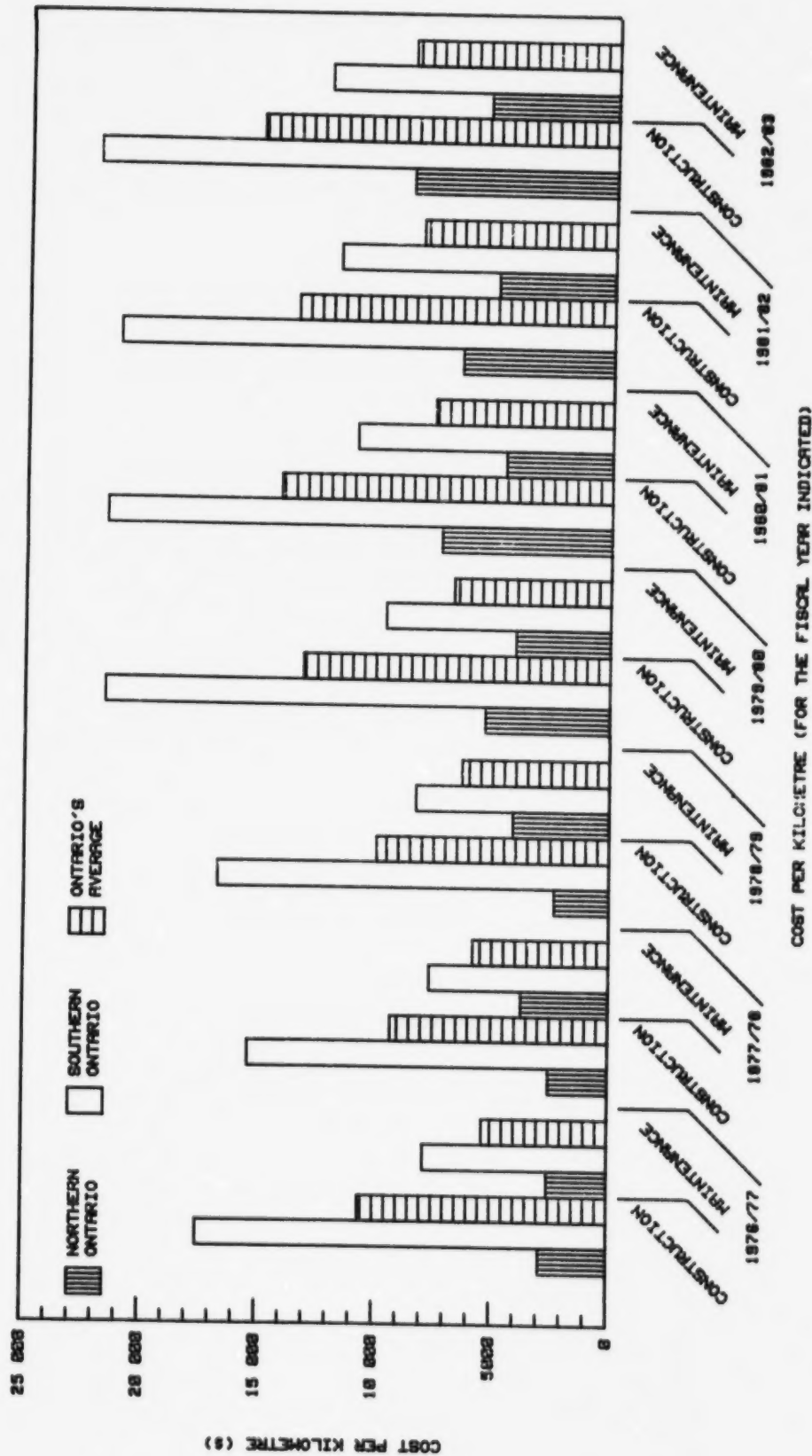
NOTE: Northern Ontario - MTC Districts 13-20.

SOURCE: Budgetary Control and Analysis Section, Financial Planning and Administration Branch, Ontario Ministry of Transportation and Communications, August 1983.



Highways and Roads

Figure RF 3 - Comparative Expenditures for Northern and Southern Ontario on a Cost per Kilometre Basis, 1976/77 - 1982/83





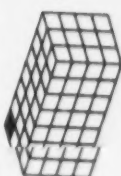
Highways and Roads

Table RF 4A - Comparative Expenditures for Northern and Southern Ontario on a per Capita Basis, 1976/77 - 1978/79

Fiscal Year	Province of Ontario Total Expenditure \$	Southern Ontario \$	Northern Ontario \$	N. Ont. Exp. As % of Total Exp. %	N. Ont. Exp. As a % of Exp. S. Ont. %	Per Capita Expenditure, Provincial \$	Per Capita Expenditure, Southern Ont. \$	Per Capita Expenditure, Northern Ont. \$
1978/79 Construction	212 646 313	188 802 865	23 843 448	11	13	25.36	24.27	39.40
Maintenance	135 218 461	93 342 461	41 875 953	31	45	16.13	12.00	69.20
Mun. Subsidy	463 779 476	427 226 087	36 553 389	8	9	55.32	54.92	60.40
TOTAL	811 644 203	709 371 413	102 272 790	13	14	96.81	91.19	168.98
1977/78 Construction	199 736 401	174 070 163	25 666 238	13	15	23.82	22.38	42.41
Maintenance	124 699 219	86 757 692	37 941 527	30	44	14.87	11.15	62.69
Mun. Subsidy	457 628 264	422 734 644	34 893 620	8	8	54.58	54.35	57.66
TOTAL	782 063 884	683 562 499	98 501 385	13	14	93.28	87.88	162.76
1976/77 Construction	226 754 806	197 514 663	29 240 143	13	15	27.05	25.39	48.32
Maintenance	114 426 929	88 482 824	25 944 105	23	29	13.65	11.38	42.87
Mun. Subsidy	416 259 696	385 859 287	30 400 409	7	8	49.65	49.60	50.23
TOTAL	757 441 431	671 856 774	85 584 657	11	13	90.35	86.37	141.42

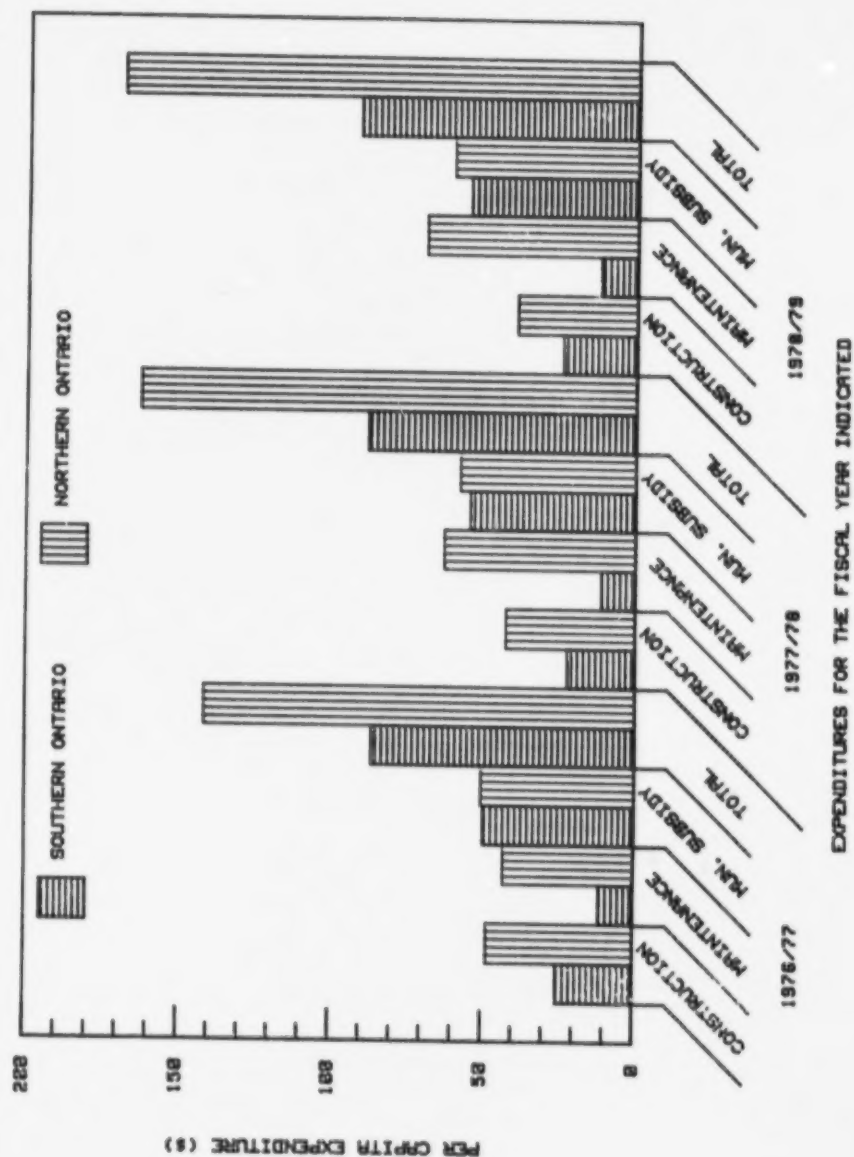
NOTE: Northern Ontario - MTC Districts 13-20; Population based on 1980 Municipal Directory = Province of Ontario 8 383 862, Northern Ontario 605 183.

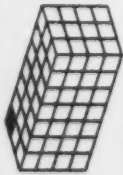
SOURCE: Fiscal Control and Analysis Office, Financial Branch, Ontario Ministry of Transportation and Communications, April, 1980.



Highways and Roads

Figure RF 4A — Comparative Expenditures for Northern (MTC Districts 13-20) and Southern Ontario on a per Capita Basis,
1976/77-1978/79





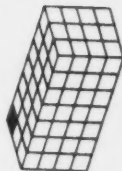
Highways and Roads

Table RF 4B — Comparative Expenditures for Northern Ontario (MTC Districts 11-20) and Southern Ontario on a per Capita Basis
1979/80-1982/83

Fiscal Year	Province of Ontario Total Expenditure	Southern Ontario	Northern Ontario	N. Ont. Exp. As % of Total Exp.	N. Ont. Exp. As a % of Exp. S. Ont.	Per Capita Expenditure, Provincial	Per Capita Expenditure, Southern Ont.	Per Capita Expenditure Northern Ont.
	\$	\$	\$	%	%	\$	\$	\$
1982/83 Construction	325 021 959	227 645 453	97 376 506	30	43	37.80	29.08	126.44
Maintenance	187 183 755	126 089 870	61 093 885	33	48	21.77	16.11	79.33
Mun. Subsidy	632 803 419	572 947 265	59 856 154	9	10	73.60	73.19	77.72
TOTAL	1 145 009 133	926 682 588	218 326 545	19	24	133.17	118.38	283.48
1981/82 Construction	291 267 033	218 324 356	72 942 677	25	33	34.35	28.31	94.88
Maintenance	177 392 275	121 344 418	56 047 857	32	46	20.92	15.74	72.90
Mun. Subsidy	576 890 827	520 522 425	56 368 402	10	11	68.03	67.50	73.32
TOTAL	1 045 550 135	860 191 199	185 358 936	18	22	123.30	111.55	241.10
1980/81 Construction	304 952 451	223 357 119	81 595 332	27	37	35.96	28.96	106.13
Maintenance	164 080 431	112 933 032	51 147 399	31	45	19.35	14.65	66.53
Mun. Subsidy	519 757 673	469 383 036	50 374 637	10	11	61.29	60.87	65.52
TOTAL	988 790 555	805 673 187	183 117 368	19	23	116.60	104.48	238.18
1979/80 Construction	282 614 235	222 625 010	59 989 225	21	27	33.71	29.22	78.34
Maintenance	144 828 613	99 150 518	45 678 095	32	46	17.27	13.02	59.65
Mun. Subsidy	465 300 942	419 764 297	45 536 645	10	11	55.50	55.10	59.47
TOTAL	892 743 790	741 539 825	151 203 965	17	20	106.48	97.34	197.45

NOTE: Northern Ontario - MTC Districts 11-20; Population based on 1983 Municipal Directory = Province of Ontario 8 598 295, Northern Ontario 770 166; Southern Ontario 7 828 129.

SOURCE: Budgetary Control and Analysis Section, Financial Planning and Administration Branch, Ontario Ministry of Transportation and Communications, August, 1983.



Highways and Roads

Figure RF 4B — Comparative Expenditures for Northern (MTC Districts 13-20) and Southern Ontario on a per Capita Basis,
1979/80-1982/83

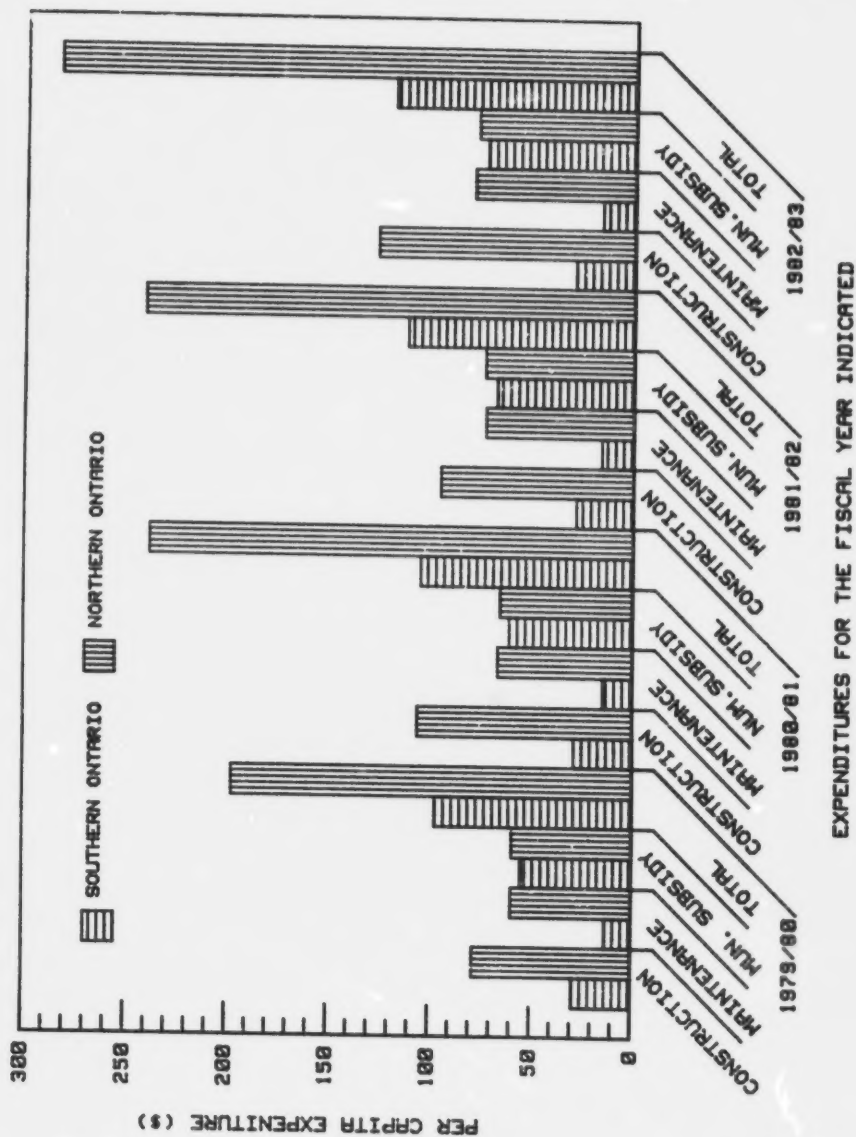


Table RF 5 — Municipal Revenue Fund Spending per Household on Roads in Ontario, in Dollars, 1975, 1977, 1978, 1980 and 1981

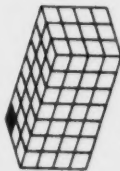
	1975	1977	1978	1980	1981	
Metro Toronto	121	135	142	162	179	
Regions	177	220	216	231	252	
Cities South	125	143	153	170	183	
Cities North	160	210	214	232	265	
Rural South	235	265	267	299	327	
Rural North	207	260	261	307	325	
PROVINCE	168	199	201	221	242	

NOTE: Classification by Types of Municipality:

1. Metro-Toronto
Metropolitan Toronto and its six constituent municipalities.
2. Regional Governments
All upper tier and lower tier municipalities in:
Regions of Durham, Halimand-Norfolk, Halton, Hamilton-Wentworth, Niagara, Ottawa-Carlton, Peel, Sudbury, Waterloo and York.
District of Muskoka.
Restructured County of Oxford.
3. Cities
All cities outside restructured two tier areas:
Barrie, Belleville, Brantford, Brockville, Chatham, Cornwall, Guelph, Kingston, London, North Bay, Orillia, Owen Sound, Pembroke, Peterborough, Sarnia, Sault Ste. Marie, Stratford, St. Thomas, Thunder Bay, Timmins and Windsor.
4. Rural South
Separated towns, all counties (except Oxford), and all municipalities which support these counties.
5. Rural North
All municipalities in northern Ontario except municipalities in categories 2 and 3 above.

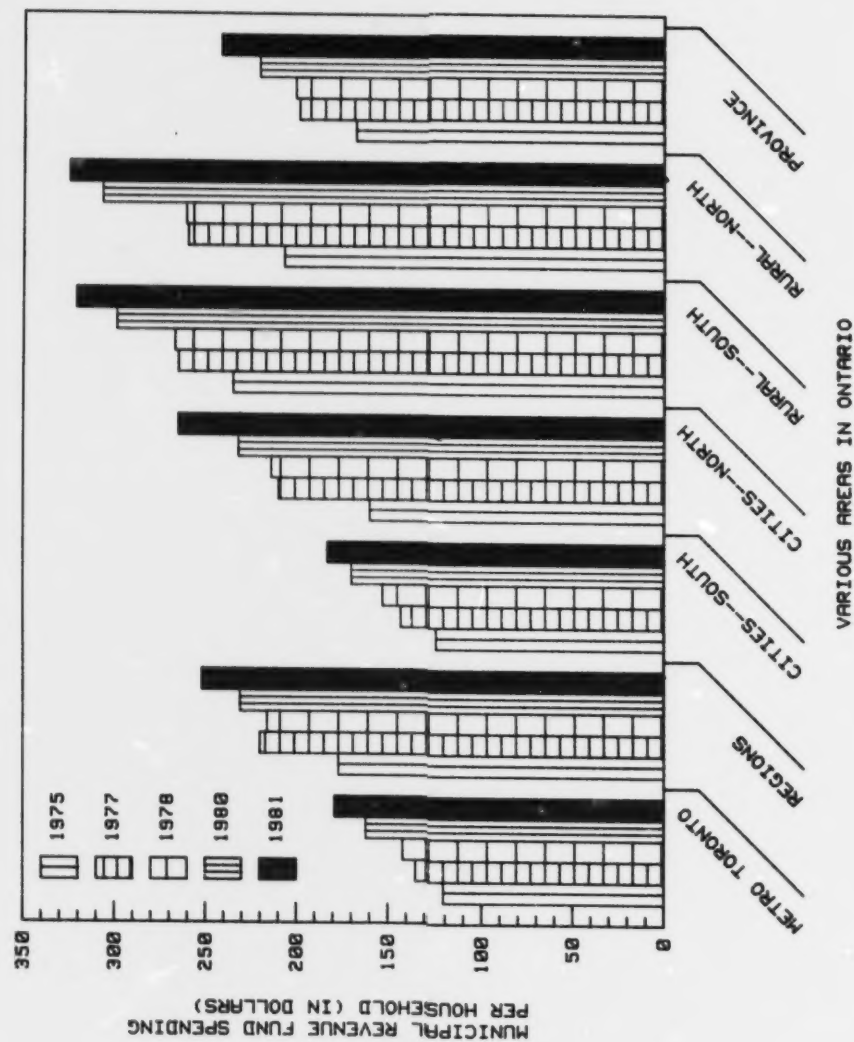
SOURCE:

1. LOCAL GOVERNMENT FINANCE IN ONTARIO 1978, Municipal Finance Branch, Ministry of Treasury and Economics, Queen's Park, Toronto, Ontario, p. 120.
2. L.J. Close, Director, Municipal Finance Branch, Ministry of Municipal Affairs and Housing, August 30, 1983 (1980 and 1981 figures).



Highways and Roads

Figure RF 5 — Municipal Revenue Fund Spending per Household on Roads in Ontario, in Dollars, 1975, 1977, 1978, 1980 and 1981



	1975	1977	1978	1980	1981
Metro Toronto	62	65	66	67	78
Regions	128	129	137	161	169
Cities South	92	86	82	96	94
Cities North	69	96	117	113	154
Rural South	107	115	118	164	173
Rural North	87	83	123	119	161
PROVINCE	99	102	108	127	137

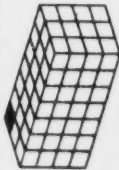
NOTE:

Classification by Types of Municipality:

1. Metro-Toronto
Metropolitan Toronto and its six constituent municipalities.
2. Regional Governments
All upper tier and lower tier municipalities in:
Regions of Durham, Haldimand-Norfolk, Halton-Hamilton-Wentworth, Niagara, Ottawa-Carleton, Peel, Sudbury, Waterloo and York.
District of Muskoka.
Restructured County of Oxford.
3. Cities
All cities outside restructured two tier areas:
Barrie, Belleville, Brantford, Brockville, Chatham, Cornwall, Guelph, Kingston, London, North Bay, Orillia, Owen Sound, Pembroke, Peterborough, Sarnia, Sault Ste. Marie, Stratford, St. Thomas, Thunder Bay, Timmins and Windsor.
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5. Rural North
All municipalities in northern Ontario except municipalities in categories 2 and 3 above.

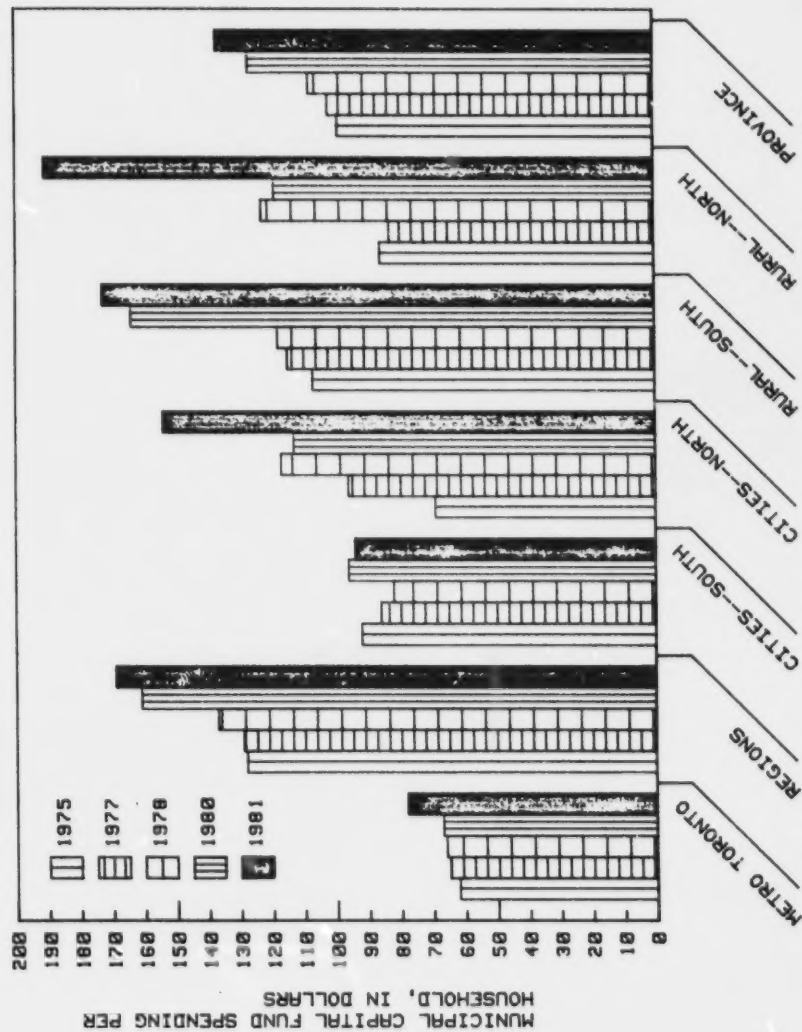
SOURCE:

1. LOCAL GOVERNMENT FINANCE IN ONTARIO 1978, Municipal Finance Branch, Ministry of Treasury and Economics, Queen's Park, Toronto, Ontario, p. 127.
2. L.J. Close, Director, Municipal Finance Branch, Ministry of Municipal Affairs and Housing, August 30, 1983, (1980 and 1981 figures).



Highways and Roads

Figure RF 6 — Municipal Capital Fund Spending per Household on Roads in Ontario, in Dollars, 1975, 1977, 1978, 1980 and 1981



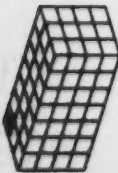


Table RF 7 - Ontario Municipal Net Long Term Debt Outstanding per Household on Roads, in Dollars,
1975, 1977, 1978, 1980 and 1981

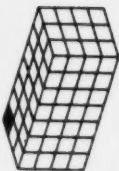
	1975	1977	1978	1980	1981
Metro Toronto	186	197	174	155	145
Regions	151	177	170	157	145
Cities South	157	193	201	191	187
Cities North	139	143	153	161	160
Rural South	25	24	26	28	28
Rural North	25	20	17	18	15
PROVINCE	132	148	142	131	124

NOTE: Classification by Types of Municipality:

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2. Regional Governments
All upper tier and lower tier municipalities in:
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Wentworth, Niagara, Ottawa-Carleton, Peel, Sudbury, Waterloo
and York.
District of Muskoka.
Restructured County of Oxford.
3. Cities
All cities outside restructured two tier areas:
Barrie, Belleville, Brantford, Brockville, Chatham, Cornwall,
Guelph, Kingston, London, North Bay, Orillia, Owen Sound,
Pembroke, Peterborough, Sarnia, Sault Ste. Marie, Stratford,
St. Thomas, Thunder Bay, Timmins and Windsor.
4. Rural South
Separated towns, all counties (except Oxford), and all
municipalities which support these counties.
5. Rural North
All municipalities in northern Ontario except municipalities
in categories 2 and 3 above.

SOURCE:

1. LOCAL GOVERNMENT FINANCE IN ONTARIO 1978, Municipal Finance
Branch, Ministry of Treasury and Economics, Queen's Park,
Toronto, Ontario, p. 140.
2. L.J. Close, Director, Municipal Finance Branch, Ministry of
Municipal Affairs and Housing, August 30, 1983, (1980 and 1981
figures).



Highways and Roads

Figure RF 7 — Ontario Municipal Net Long Term Debt Outstanding per Household on Roads, in Dollars,
1975, 1977, 1978, 1980 and 1981

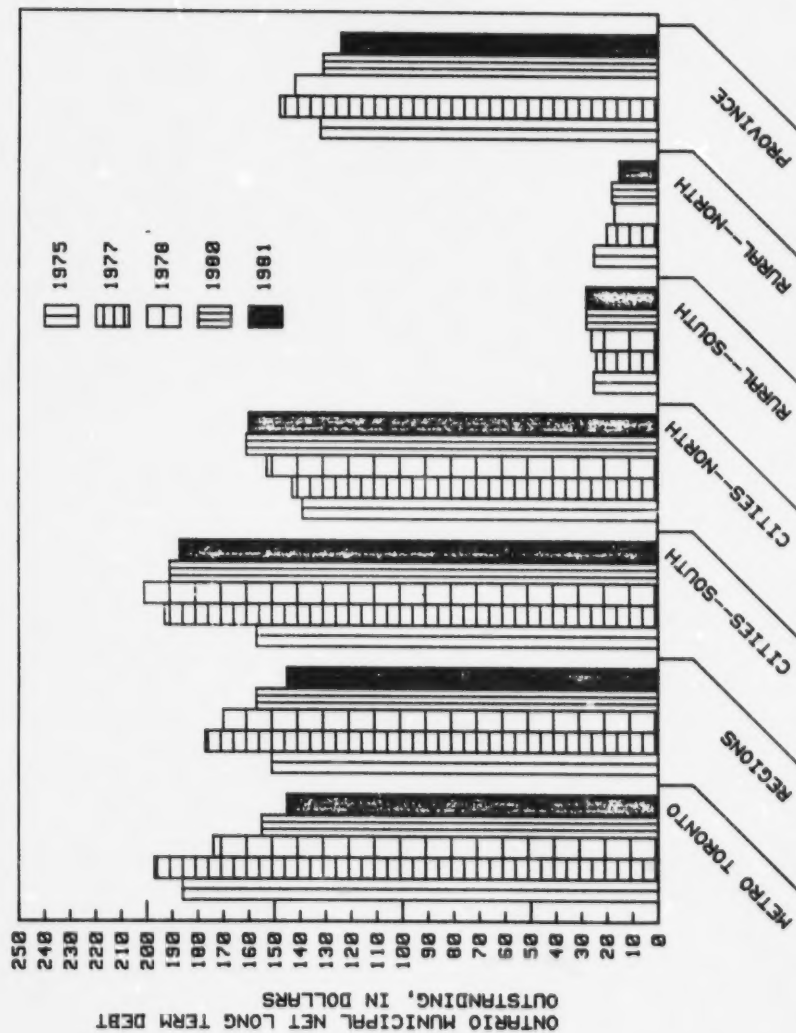




Table RF 8 - Ontario Municipal Debt Charges per Household on Roads, in Dollars, 1975, 1977, 1978, 1980 and 1981

	1975	1977	1978	1980	1981
Metro Toronto	41	41	44	43	41
Regions	24	31	31	32	32
Cities South	25	32	34	37	36
Cities North	27	29	29	29	35
Rural South	5	5	5	6	6
Rural North	5	5	5	4	4
PROVINCE	25	27	29	29	29

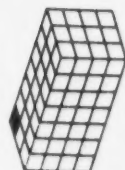
NOTE:

Classification by Types of Municipality:

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Metropolitan Toronto and its six constituent municipalities.
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Regions of Durham, Halidmand-Norfolk, Halton, Hamilton-Wentworth, Niagara, Ottawa-Carlton, Peel, Sudbury, Waterloo and York.
District of Muskoka.
Restructured County of Oxford.
3. Cities
All cities outside restructured two tier areas:
Barrie, Belleville, Brantford, Brockville, Chatham, Cornwall, Guelph, Kingston, London, North Bay, Orillia, Owen Sound, Pembroke, Peterborough, Sarnia, Sault Ste. Marie, Stratford, St. Thomas, Thunder Bay, Timmins and Windsor.
4. Rural South
Separated towns, all counties (except Oxford), and all municipalities which support these counties.
5. Rural North
All municipalities in northern Ontario except municipalities in categories 2 and 3 above.

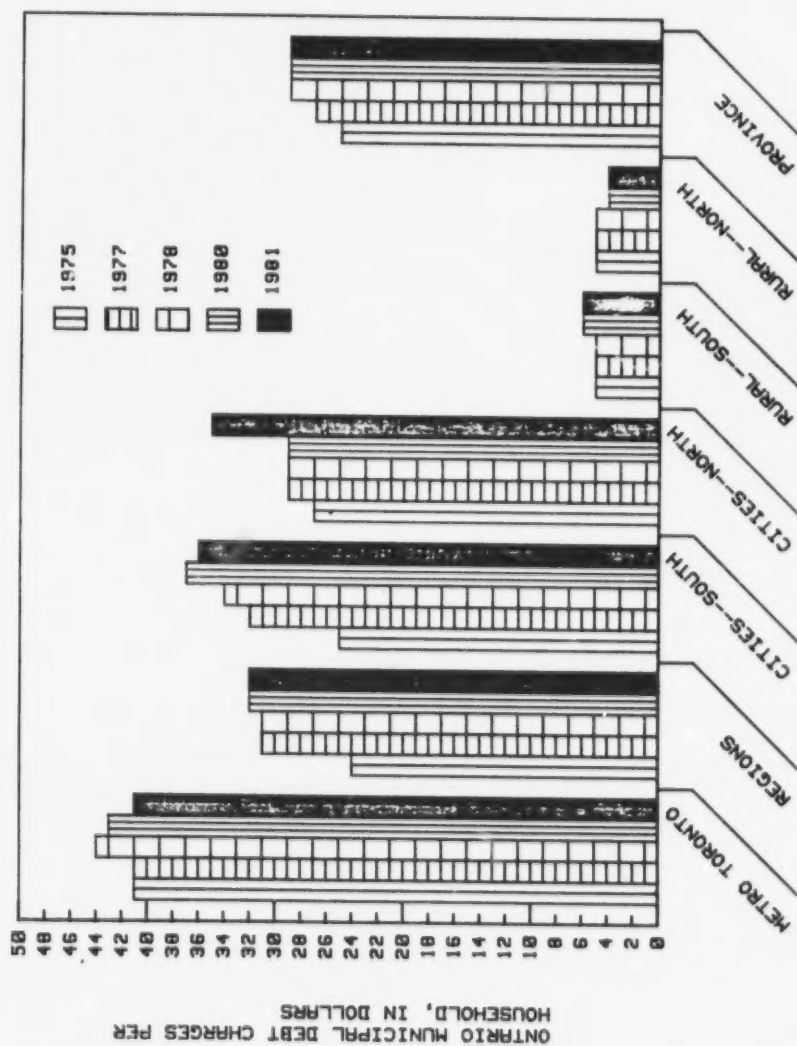
SOURCE:

1. LOCAL GOVERNMENT FINANCE IN ONTARIO 1978, Municipal Finance Branch, Ministry of Treasury and Economics, Queen's Park, Toronto, Ontario, p. 144.
2. L.J. Close, Director, Municipal Finance Branch, Ministry of Municipal Affairs and Housing, August 30, 1983 (1980 and 1981 figures).

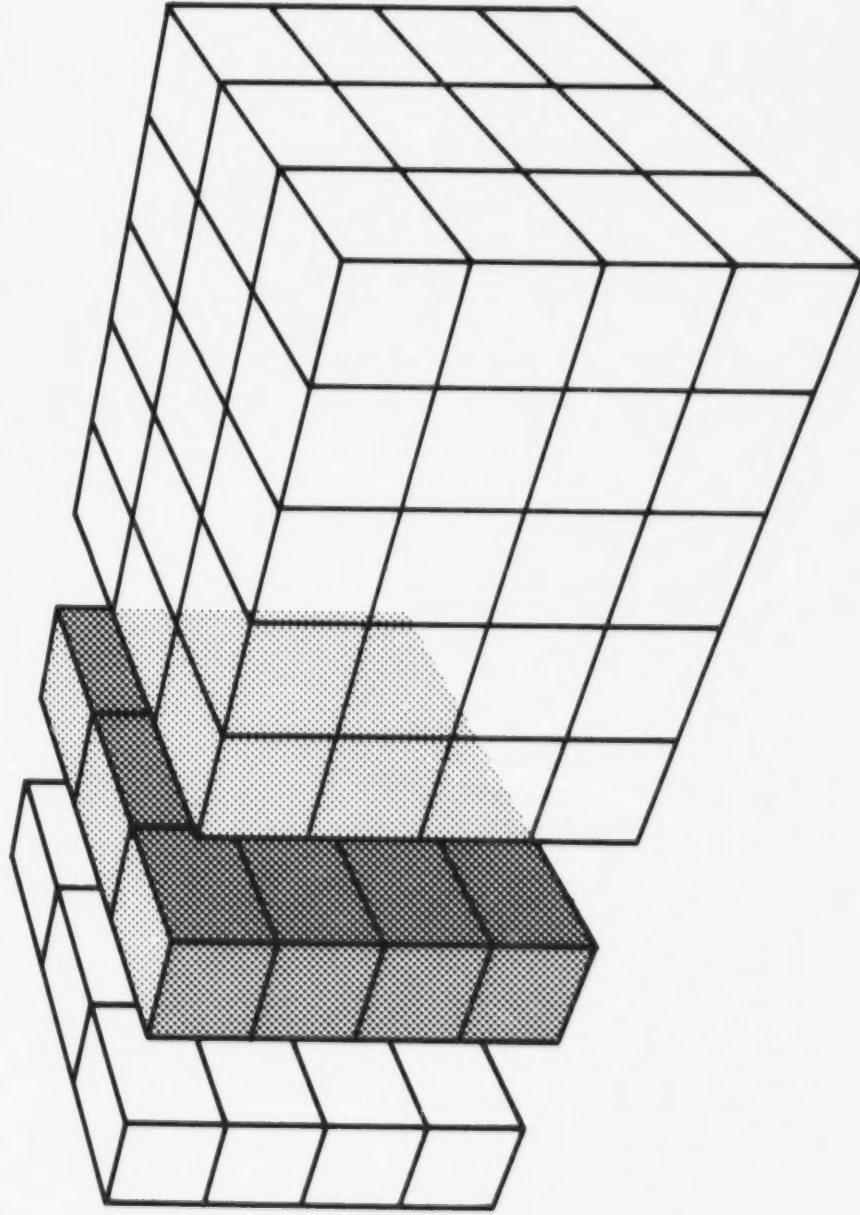


Highways and Roads

Figure RF 8 — Ontario Municipal Debt Charges per Household on Roads, in Dollars, 1975, 1977, 1978, 1980 and 1981



Transit



2. Transit

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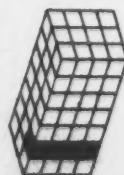


Table T1 1 - Ontario Municipalities Served by Transit Systems in 1981 and 1982

Name of System	Area Served	Population of Area Served	
		1981	1982
Barrie City Transit	City of Barrie	38 000	44 011
Belleville Transit Commission	City of Belleville	35 000	35 000
Brampton Transit	City of Brampton	148 000	155 000
Brantford Transit	City of Brantford ¹	79 465	81 841
Burlington Transit	City of Burlington	113 000	114 000
Cambridge Transit	City of Cambridge	75 716	76 505
Chatham Transit	City of Chatham	40 696	*
Cornwall Transit	City of Cornwall	46 000	*
Guelph Transportation Commission	City of Guelph	73 200	76 658
Hamilton Street Railway Company	Regional Municipality of Hamilton-Wentworth	460 000	460 000
Kingston Transit	City of Kingston ²	65 000	66 000
Kingston Township Transit	Kingston Township ³	28 000	34 256
Kitchener Transit	Cities of Kitchener and Waterloo	193 900	198 850
London Transit Commission	City of London	266 000	270 000
Midland Transit	Town of Midland	12 000	*
Mississauga Transit	City of Mississauga	305 307	313 000
Newmarket Transit	Town of Newmarket	29 000	32 000
Niagara Transit	City of Niagara Falls	71 179	70 563
North Bay Transit	City of North Bay	51 000	51 000
Oakville Transit	Town of Oakville	73 000	76 720
Oshawa Transit	City of Oshawa	116 050	118 845
Ottawa-Carleton Regional Transit Commission	Regional Municipality of Ottawa-Carleton	493 000	499 500
City of Peterborough Transit	City of Peterborough	60 620	62 000
Pickering Transit	Town of Pickering	37 000	*
Port Hope Transit	Town of Port Hope	10 181	10 274
Richmond Hill Transit	Town of Richmond Hill	36 599	38 000
St. Catharines Transit Commission	City of St. Catharines ⁴	150 000	150 000
Sarnia Transit	City of Sarnia ⁵	68 000	63 000
Sault Ste. Marie Commission	City of Sault Ste. Marie	82 000	82 000

NOTE: * No Data Available for 1982.

The transit system in Hawkesbury, Ontario, did not return the General Statistical Questionnaire for the 1981 and 1982 calendar year to the Canadian Urban Transit Association.

The following members operating services for the disabled are also not profiled in the CUTA's report entitled "Operating Characteristics of Member Systems (1981-82)": H.A.G.I. Transit (Thunder Bay); D.A.R.T.S. (Regional Municipality of Hamilton-Wentworth); Transhelp (Region of Peel) and Ottawa Handicab (M&O Bus Lines Ltd.).

1 Includes the Town of Paris and the City of Brantford.

2 Includes the City of Kingston and the Township of Pittsburgh.

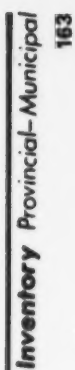
3 Includes Kingston Township and Ernestown Township.

4 Includes the Cities of St. Catharines and Thorold.

5 Includes the City of Sarnia, the Village of Point Edward and the Township of Sarnia.

6 Includes Metropolitan Toronto and the Regions of Durham, Halton, Hamilton-Wentworth, Peel and York.

SOURCE: Operating Characteristics of Member Systems (1981-82, Canadian Urban Transit Association, Toronto, Ontario, MAP IX5, August 1983).



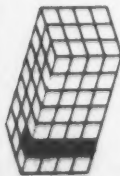


Table TI 2 -- Urban Transit in Ontario -- Total Distance Run in Miles (1975-1980) and Kilometres (1981-1982)

A. URBAN TRANSIT IN ONTARIO -- TOTAL DISTANCE RUN IN MILES
1975 - 1980

YEAR	MOTOR BUS	TROLLEY COACH	STREETCAR	SUBWAY	OTHER*	TOTAL - URBAN AND SUBURBAN (regular and extra services)	OTHER SERVICES such as Charter School Bus, Contract and Tours	GRAND TOTAL
1975	98 624 517	5 346 131	10 471 387	33 969 334	-	148 461 369	2 129 981	150 591 350
1976	101 045 119	5 601 065	9 455 017	35 202 346	-	151 303 547	1 804 591	153 108 138
1977	102 300 749	6 050 985	9 512 904	33 809 185	-	151 673 823	1 812 605	153 486 428
1978	114 240 047	6 033 870	9 352 001	38 161 120	-	167 817 038	2 207 323	170 024 361
1979	116 170 003	6 091 783	9 132 826	37 725 414	-	169 120 026	2 043 073	171 163 764
1980	121 799 394	6 092 772	9 362 561	-	38 574 992	175 829 719	2 033 067	177 862 786

B. URBAN TRANSIT IN ONTARIO -- TOTAL DISTANCE RUN IN KILOMETRES
1981 AND 1982

YEAR	MOTOR BUS	TROLLEY COACH	STREETCAR	SUBWAY	OTHER*	TOTAL - URBAN AND SUBURBAN (regular and extra services)	OTHER SERVICES such as Charter School Bus, Contract and Tours	GRAND TOTAL
1981	203 277 470	9 728 405	14 924 395	-	68 470 990	296 401 260	3 307 857	299 709 111
1982	212 720 504	8 815 027	15 114 583	-	69 545 199	306 195 313	3 237 558	319 432 871

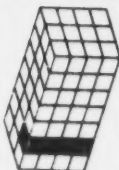
NOTE:

- The survey covers the operations of establishments earning gross annual total operating revenue (including subsidies) of \$500 000 or more annually from urban transit operations. An establishment is defined as the smallest reporting unit capable of reporting all elements of basic industrial statistics.
- Data relating to other services such as charter or contract are specific to the surveyed urban transit establishments and are not indicative of overall charter and contract operations.
- Passengers paying a fare to the operator of one vehicle and travelling on a second or third vehicle on a transfer are counted for the first vehicle only.
- Total distance run by vehicles should be the total distance run in revenue service. Returning empty from a chartered trip or running empty to provide a vehicle for a chartered trip should be classified as a chartered distance. Similar distance made for a regular service should be classified as regular distance.
- The annual figures shown in the above table were compiled from the Statistics Canada monthly publications entitled "URBAN TRANSIT", Catalogue No. 53-003, for the years 1975-1982. There were intensive telephone consultations in 1981, with officials of the Transportation and Communications Division of Statistics Canada in order to obtain an elucidation and to clear up some inconsistencies in monthly reporting in Statistics Canada monthly publications of operation of transit modes for each particular month of a given year.
- * OTHER - is specified as subway, LRT, sea-bus, etc.
- The number of fare passengers carried for services other than urban and suburban are not kept by all carriers.

SOURCE:

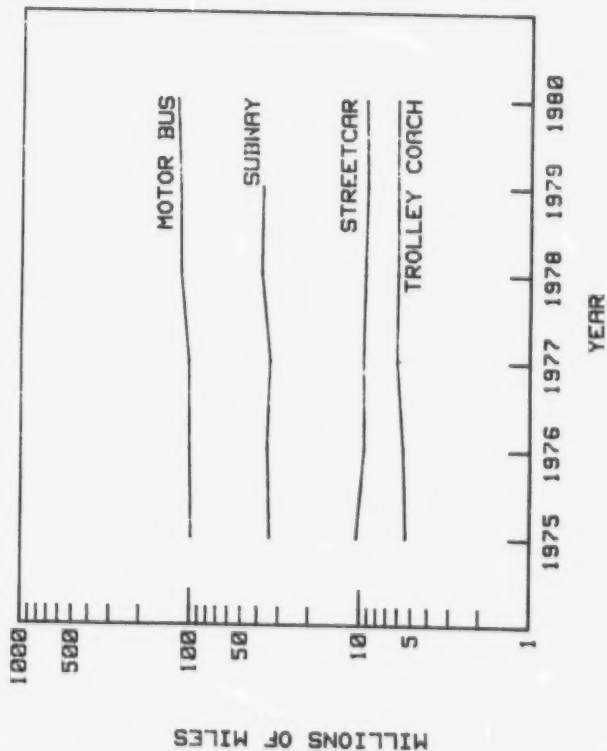
URBAN TRANSIT, Catalogue 53-003, Monthly, 1975-1982, Statistics Canada, Ottawa, Ontario.

Figure T1 2 - Urban Transit in Ontario, Total Distance Run in Miles, 1975-1980, and in Kilometres, 1981-1982

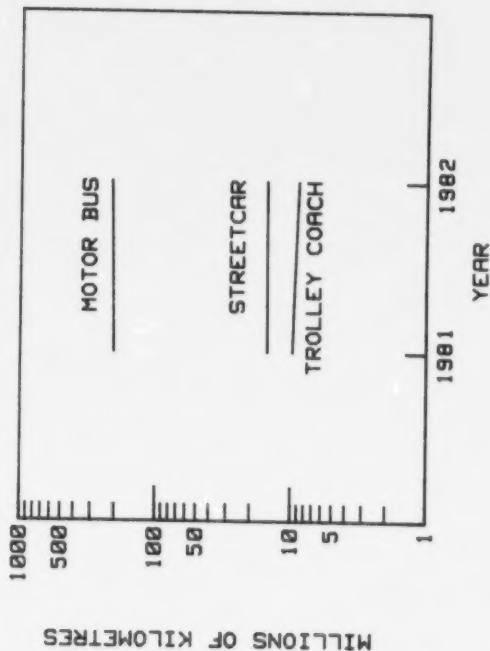


Transit

1. DISTANCE RUN IN MILES



2. DISTANCE RUN IN KILOMETRES



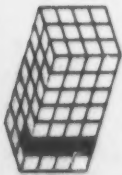
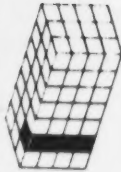


Table T13 - Toronto Area Transit Operating Authority, Operating Statistics, 1976-1983

Fiscal Year Ended March 31,	Revenue Passengers ('000)		Revenue Km ('000)		Route km Operated		Revenue (\$'000)	Expenses (\$'000)	Provincial Operating Subsidy* (\$'000)
	Bus	Rail	Bus	Rail	Bus	Rail			
1976	4 316	8 396	7 039	1 453	997	144	10 813	23 168	9 506
1977	5 613	9 158	9 264	1 485	1 484	144	13 932	28 490	11 155
1978	7 006	10 042	9 893	1 289	1 232	144	17 025	37 908	15 432
1979	6 875	11 272	9 770	1 338	1 233	178	20 738	48 019	20 802
1980	7 470	11 635	10 202	1 338	1 285	178	24 529	56 422	23 150
1981	8 304	12 531	11 371	1 338	1 327	178	29 225	69 021	39 796
1982	9 080	13 202	12 033	1 484	1 207	228	35 864	87 599	51 735
1983	9 507	13 580	12 879	2 076	1 098	341	40 877	99 123	58 246

NOTE: * Capital Contribution not included.

SOURCE: ANNUAL REPORT, Toronto Area Transit Operating Authority.



Transit

Figure T1 3 - Bus and Rail Commuter Service Routes of Government of Ontario Transit - The Go Train and Go Bus Network at

March 31, 1983

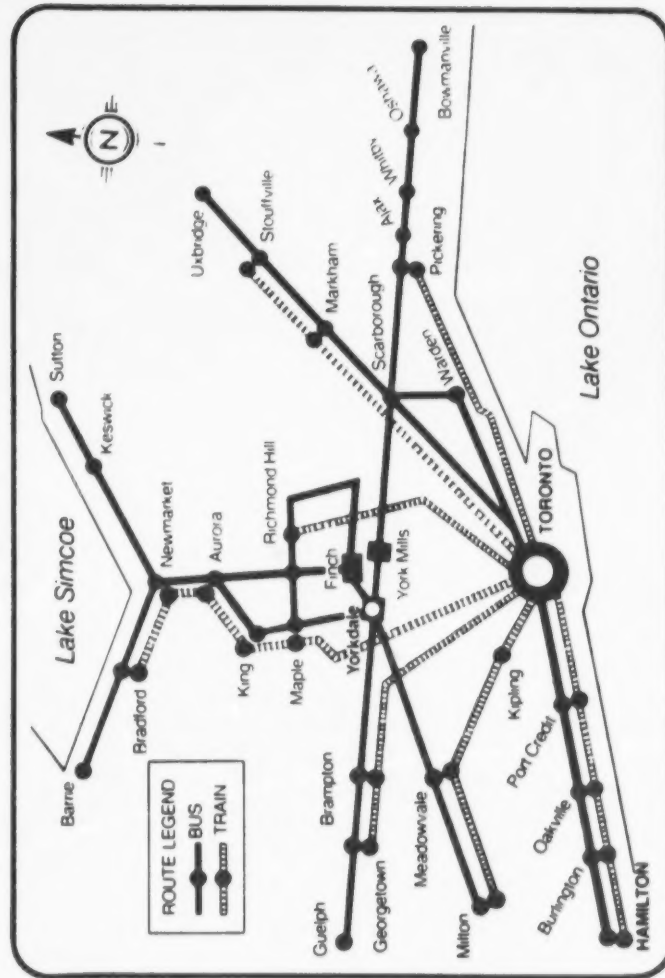
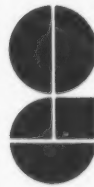




Table T1 4 - Passenger Bus and Urban Transit, Other Passenger Bus Establishments, Classes, 1, 2 and 3,* (Excluding School Bus Operators), Employment, 1979, 1980 and 1981

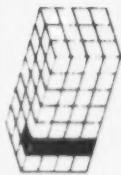
	1979		1980		1981	
	CANADA	Number	ONTARIO	CANADA	Number	ONTARIO
1. Mechanics and maintenance personnel	313		68	351	130	358
2. Drivers, local and highway	2071		525	2703	1096	3095
3. Terminal employees	98		24	136	47	151
4. Executive officers	111		23	127	33	124
5. Office clerks	176		33	226	65	247
6. Other employees	14		11	8	8	19
7. TOTAL	2783		684	3551	1379	3994
8. Working owner(s)	41		10	44	18	59
						1505
						25

NOTE:* Classes of Establishments:

- Class 1 - Establishments which earned gross annual operating revenues of \$2 million or more in 1978, 1979 and in 1980.
- Class 2 - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1978, 1979 and in 1980.
- Class 3 - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1978, 1979 and in 1980.

SOURCE:

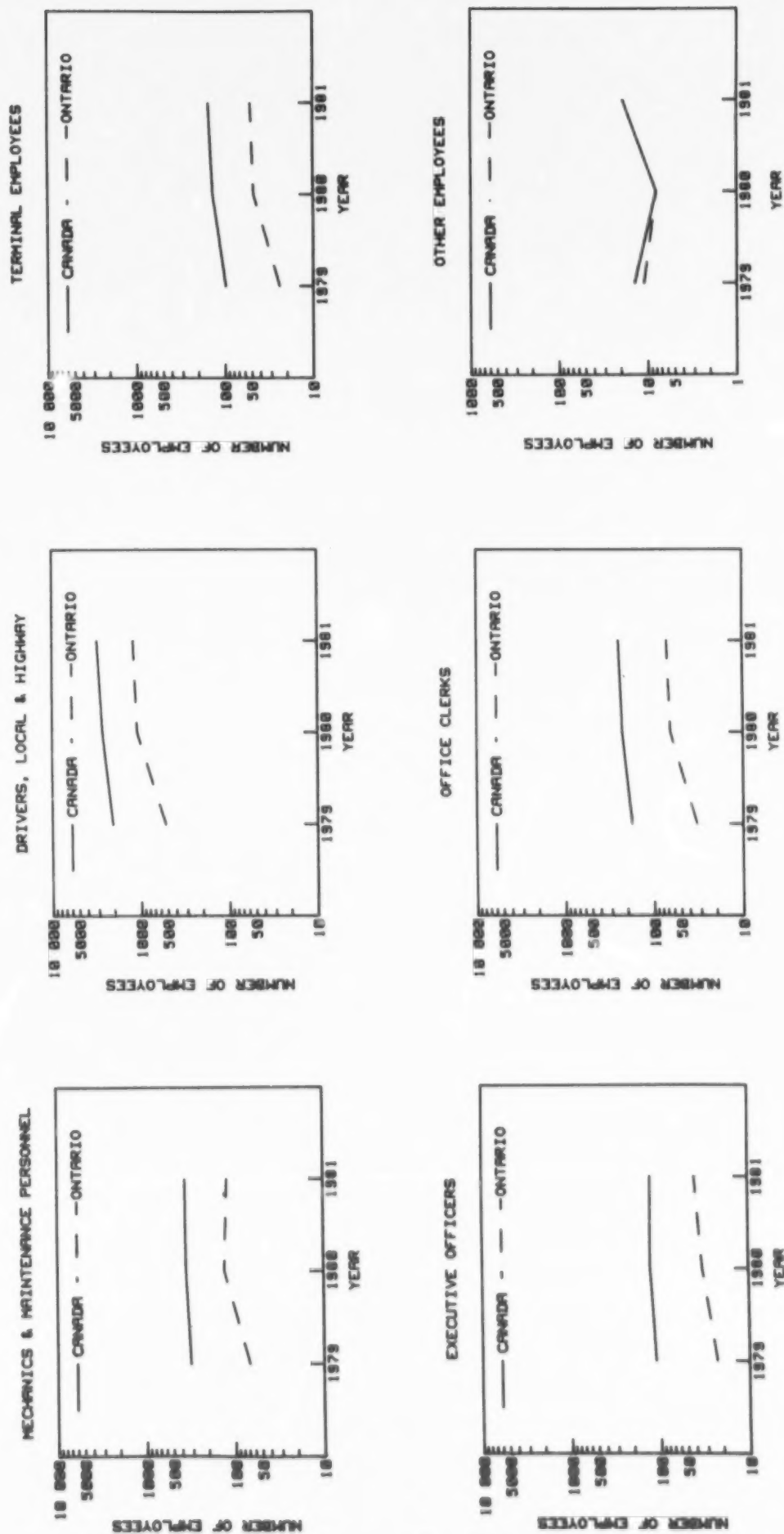
- 1. Passenger Bus and Urban Transit Statistics, 1979, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface Transport Section, Ottawa, Ontario, March 1981, p. 54-55.
- 2. Passenger Bus and Urban Transit Statistics, 1980, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, March 1982, p. 54-55.
- 3. Passenger Bus and Urban Transit Statistics, 1981, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, September 1983, p. 66-67.



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Figure T14 - Passenger Bus and Urban Transit, Other Passenger Bus Establishments, Classes 1, 2 and 3, Employment, 1979-1981

(Excluding School Bus Operators)



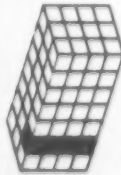


Table T1 5 - Passenger Bus and Urban Transit, Other Passenger Bus Establishments, Classes 1, 2 and 3,* (Excluding School Bus Operators), Revenue Equipment Operated, 1979-1981

	CANADA				ONTARIO							
	Equipment				Equipment							
	Owned		Leased		Owned		Leased					
	1979	1980	1981	1979	1980	1981	1979	1980	1981			
1. Highway buses	847	970	1111	109	57	82	152	206	205	9	-	17
2. Urban and suburban buses	200	228	213	10	9	5	12	27	26	-	-	-
3. School buses	494	1 042	1133	34	8	44	185	697	765	-	-	1

NOTE:* School bus establishments - passenger bus establishments whose major activity is school bus service.

Classes of Establishments:

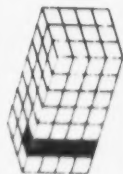
Class 1 - Establishments which earned gross annual operating revenues of \$2 million or more in 1978, 1979 and in 1980.

Class 2 - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1978, 1979 and in 1980.

Class 3 - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1978, 1979 and in 1980.

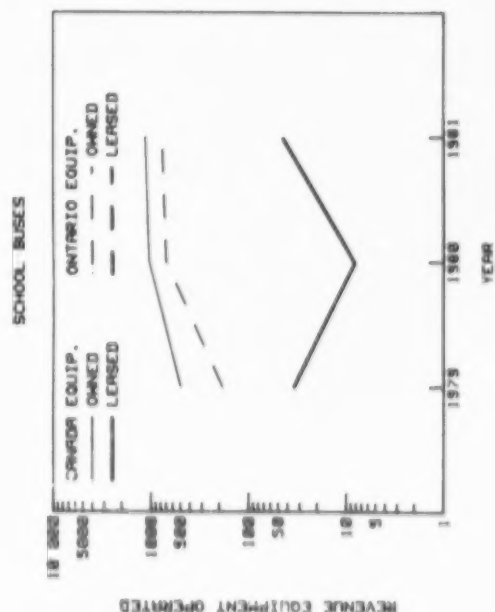
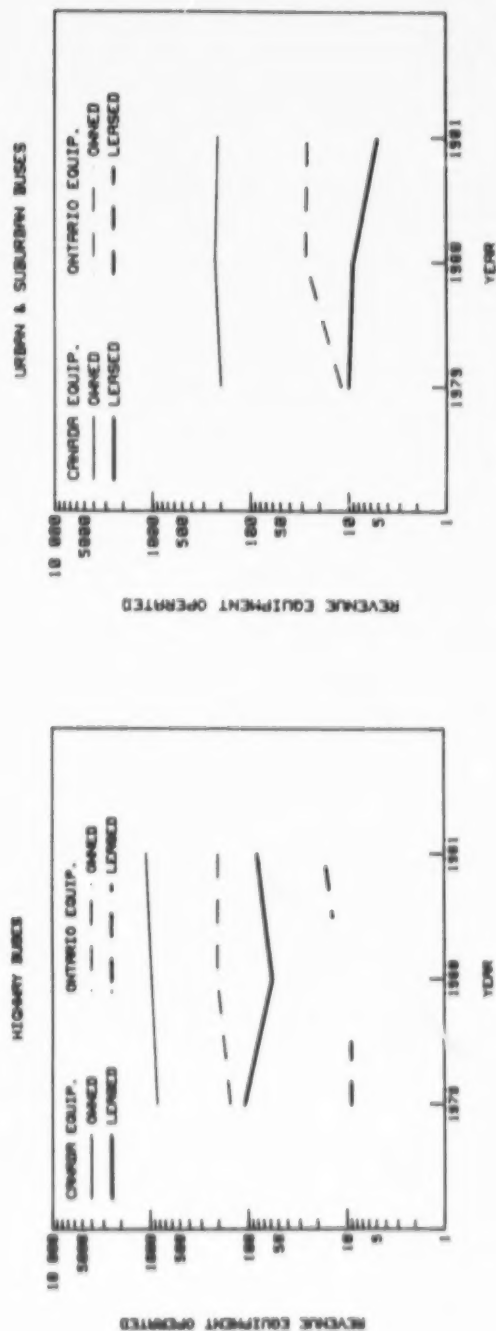
SOURCE:

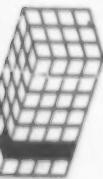
1. Passenger Bus and Urban Transit Statistics, 1979, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface Transport Section, Ottawa, Ontario, March 1981, p. 56.
2. Passenger Bus and Urban Transit Statistics, 1980, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, March 1982, p. 56.
3. Passenger Bus and Urban Transit Statistics, 1981, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, September 1983, p.66



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Figure T1 5 - Passenger Bus and Urban Transit, Other Passenger Bus Establishments, Classes 1, 2 and 3, Equipment, 1979-1981
(Excluding School Bus Operators)





	CANADA			ONTARIO		
	1979	1980	1981	1979	1980	1981
1. Drivers	324	242	90	142	48	31
2. Other employees	61	85	38	33	24	25
TOTAL	385	327	128	175	72	56
Working owner(s)	55	34	48	25	15	14

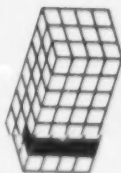
NOTE: *Classes of Establishments:

Class 4 - Establishments which earned gross annual operating revenues less than \$100 000 in 1979, 1979 and in 1980.

Class 0 - Establishments which were added to the survey universe for the first time in 1979.

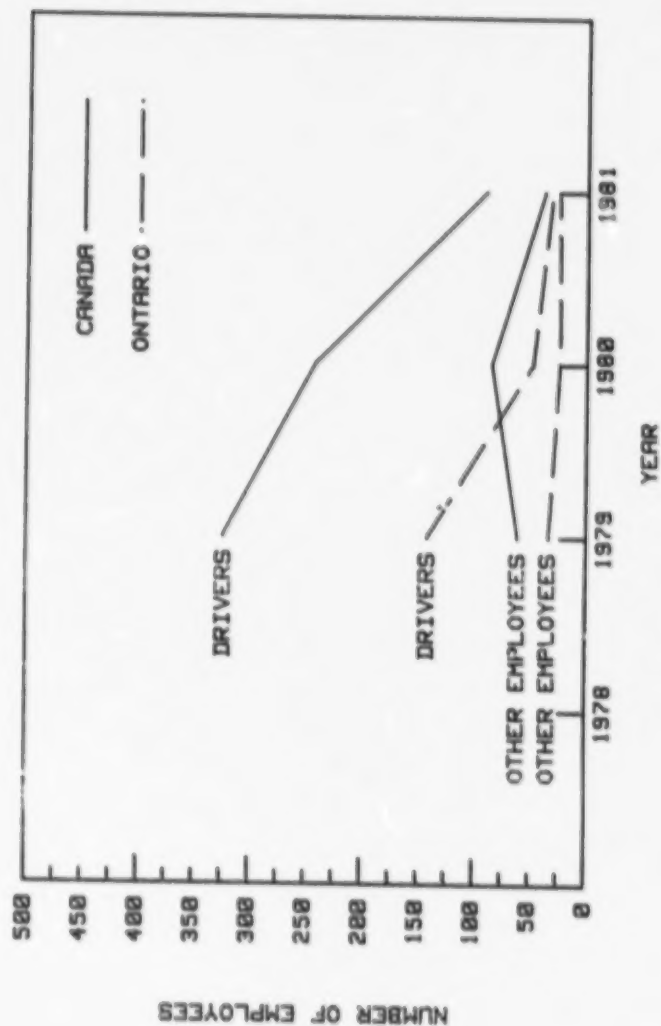
SOURCE:

1. Passenger Bus and Urban Transit Statistics, 1979, Catalogue 53-215, Annual, Statistics Canada, Transportation and Communications Division, Surface Transport Section, Ottawa, Ontario, March 1981, p. 59.
2. Passenger Bus and Urban Transit Statistics, 1980, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, March 1982, n. 59.
3. Passenger Bus and Urban Transit Statistics, 1981, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, September 1983, p. 71.



Transit

Figure T1 6 -- Other Passenger Bus Establishments, Classes 4 and 0, Employment, 1979-1981, (Excluding School Bus Operators)



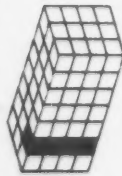


Table T1 7 - Other Passenger Bus Establishments - Classes 4 and 0,* (Excluding School Bus Operators), Revenue Equipment Operated, 1979-1981

	CANADA						ONTARIO					
	Owned			Leased			Owned			Leased		
	1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981
1. Highway buses	78	64	45	6	13	1	37	9	11	-	-	-
2. Urban and suburban buses	51	40	18	1	1	-	11	13	13	-	-	-
3. School buses	91	47	18	-	9	-	23	4	4	-	-	-
4. Taxis	6	8	3	-	-	-	5	6	-	-	-	-
5. Other	86	55	25	1	2	3	42	16	9	-	-	-
TOTAL	312	214	109	8	25	4	118	48	37	-	-	-

NOTE: *Classes of Establishments:

Class 4 - Establishments which earned gross annual operating revenues less than \$100 000 in 1978, 1979 and in 1981.

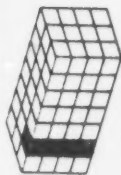
Class 0 - Establishments which were added to the survey universe for the first time in 1979.

SOURCE:

1. Passenger Bus and Urban Transit Statistics, 1979, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface Transport Section, Ottawa, Ontario, March 1981, p. 59.

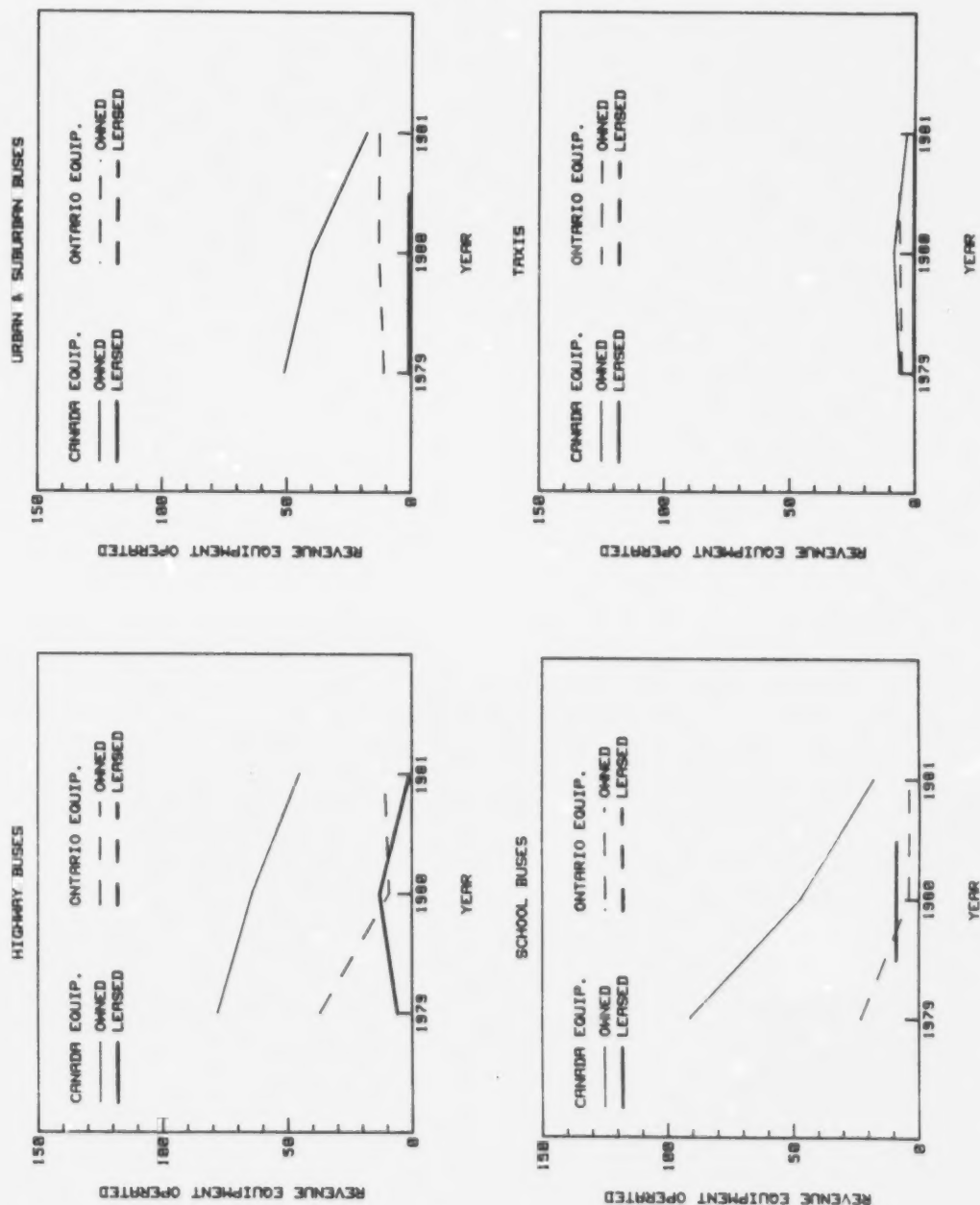
2. Passenger Bus and Urban Transit Statistics, 1980, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, March 1982, p. 59.

3. Passenger Bus and Urban Transit Statistics, 1980, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, September 1983, p. 72.



Transit

Figure T1 7 - Other Passenger Bus Establishments, Classes 4 and 0, Revenue Equipment Operated, 1979-1981, (Excluding School Bus Operators)



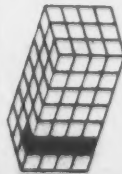


Table T1 8 - School Bus Establishments - Classes 1, 2 and 3,* Employment, 1979-1981

	CANADA			ONTARIO		
	1979	1980	1981	1979	1980	1981
	Number					
1. Mechanics and maintenance personnel	1 070	1 211	1 274	476	579	591
2. Drivers, local and highway	16 063	17 682	17 673	7368	8231	8202
3. Terminal employees	117	184	276	67	115	139
4. Executive officers	701	759	837	216	254	299
5. Office clerks	637	723	710	251	270	280
6. Other employees	51	11	4	40	6	4
7. TOTAL	18 639	20 570	20 774	8418	9455	9515
8. Working owner(s)	355	266	477	139	105	144

NOTE: *School bus establishments - passenger bus establishments whose major activity is school bus service.

Classes of Establishments:

Class 1 - Establishments which earned gross annual operating revenues of \$2 million or more in 1978, 1979 and in 1980.

Class 2 - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1978, 1979 and in 1980.

Class 3 - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1978, 1979, and in 1980.

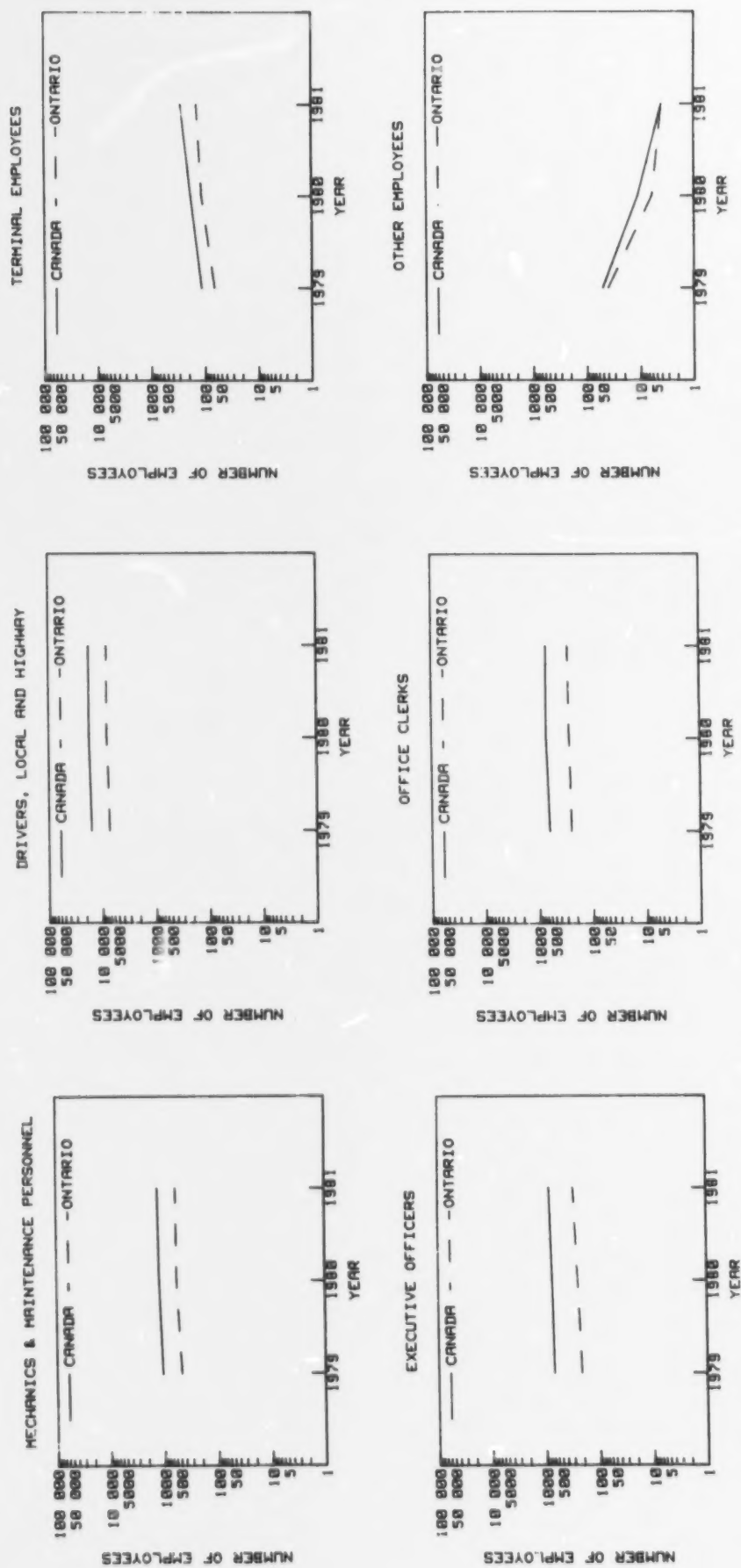
SOURCE:

1. Passenger Bus and Urban Transit Statistics, 1979, Catalogue 53-215, Annual, Statistics Canada, Transportation and Communications Division, Surface Transport Section, Ottawa, Ontario, March 1981, p. 44.

2. Passenger Bus and Urban Transit Statistics, 1980, Catalogue 53-215, Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, March 1982, p. 44.

3. Passenger Bus and Urban Transit Statistics, 1981, Catalogue 53-215, Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, September 1981, p. 52.

Figure T1 8— School Bus Establishments, Classes 1, 2 and 3, Employment, 1979–1981



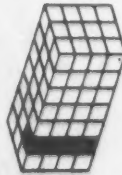


Table T1 9 - School Bus Establishments - Classes 1, 2 and 3, * Revenue Equipment Operated, 1979-1981

	CANADA				ONTARIO			
	Owned		Leased		Owned		Leased	
	1979	1980	1981	1979	1980	1981	1979	1980
1. Highway buses	421	420	398	3	222	211	-	4
2. Urban and suburban buses	235	282	249	46	74	93	46	-
3. School buses	15 830	17 137	17 294	388	6815	7388	89	167
4. Taxis	13	21	19	-	8	13	-	-
5. Other	144	614	648	1	109	555	1	9
TOTAL	16 643	18 474	18 608	438	7228	8260	136	171

NOTE: *School bus establishments - passenger bus establishments whose major activity is school bus service.

Classes of Establishments:

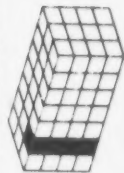
Class 1 - Establishments which earned gross annual operating revenues of \$2 million or more in 1978, 1979 and in 1980.

Class 2 - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1978, 1979 and in 1980.

Class 3 - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1978, 1979 and in 1980.

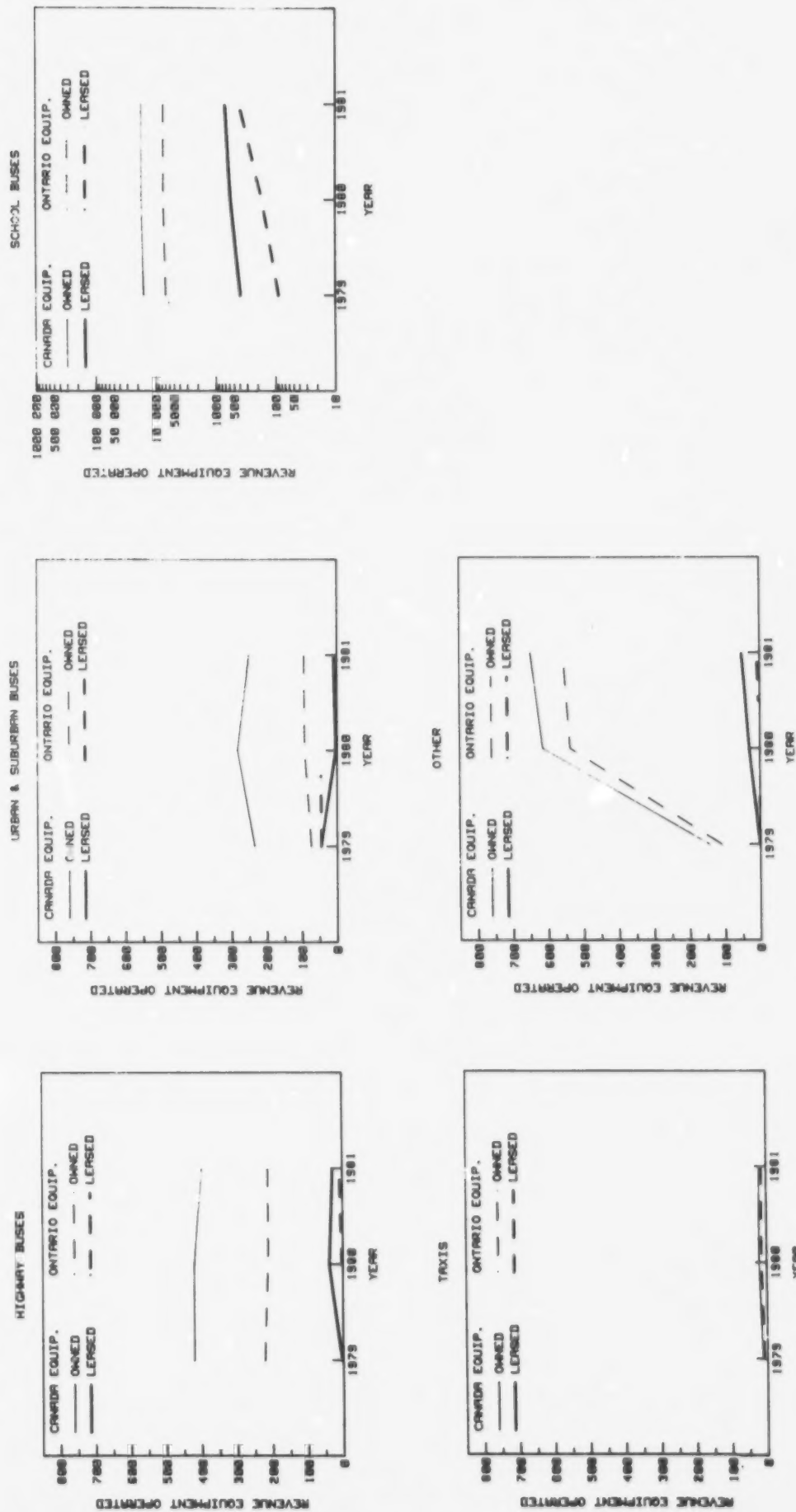
SOURCE:

1. Passenger Bus and Urban Transit Statistics, 1979, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, March 1981, p. 44-45.
2. Passenger Bus and Urban Transit Statistics, 1980, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, March 1982, p. 44-45.
3. Passenger Bus and Urban Transit Statistics, 1981, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, September 1983, p. 52-53.



Transit

Figure T1 9 - School Bus Establishments, Class 0, Revenue Equipment Operated, 1979-1981



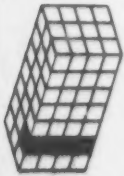


Table T1 10 - School Bus Establishments - Class 4,* Employment, 1979-1981

	CANADA			ONTARIO		
	1979	1980	1981	1979	1980	1981
	Number					
1. Drivers	2354	2185	1813	684	642	594
2. Other employees	191	322	199	23	51	42
TOTAL	2545	2507	2012	707	693	636
Working owner(s)	825	654	687	267	229	229

NOTE: School bus establishment - passenger bus establishments whose major activity is school bus service.

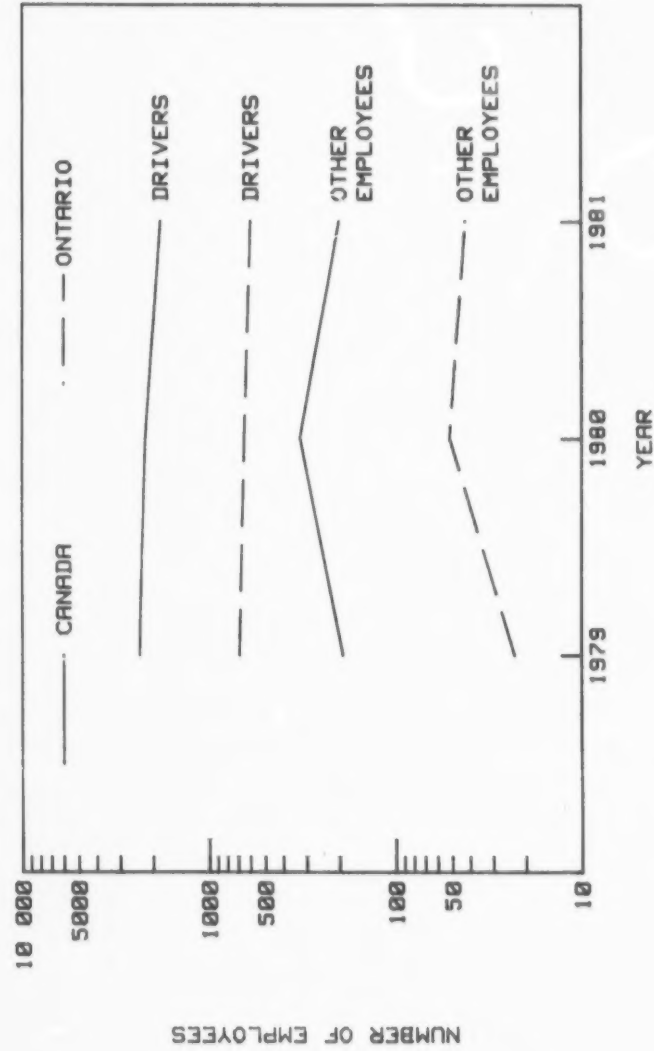
*Class 4 - Establishments which earned gross annual operating revenues less than \$100 000 in 1978, 1979 and in 1980.

SOURCE: 1. Passenger Bus and Urban Transit Statistics, 1979, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface Transport Section, Ottawa, Ontario, March 1981, p. 49.

2. Passenger Bus and Urban Transit Statistics, 1980, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, March 1982, p. 49.

3. Passenger Bus and Urban Transit Statistics, 1981, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, September 1983, p. 57.

Figure T1 10 - School Bus Establishments, Class 4, Employment, 1979-1981



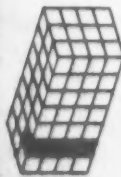


Table T1 11 - School Bus Establishments - Class 4, * Revenue Equipment Operated, 1979-1981

	CANADA					ONTARIO				
	Equipment					Equipment				
	Owned		Leased			Owned		Leased		
	1979	1980	1981	1979	1980	1981	1979	1980	1981	1981
1. Highway buses	22	17	12	-	-	-	1	-	2	-
2. Urban and suburban buses	26	21	14	-	-	-	15	9	5	-
3. School buses	2760	2225	2181	21	3	1	808	361	695	2
4. Taxis	18	14	7	-	-	-	2	3	1	1
5. Other	50	32	54	2	4	1	21	14	19	4
TOTAL	2876	2309	2268	23	7	2	847	387	722	6
										2

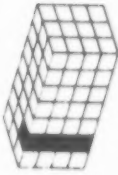
NOTE: School bus establishments - passenger bus establishments whose major activity is school bus service.

* Class 4 - Establishments which earned gross annual operating revenues less than \$100 000 in 1978, 1979 and in 1980.

SOURCE: 1. Passenger Bus and Urban Transit Statistics, 1979, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface Transport Section, Ottawa, Ontario, March 1981, p. 49.

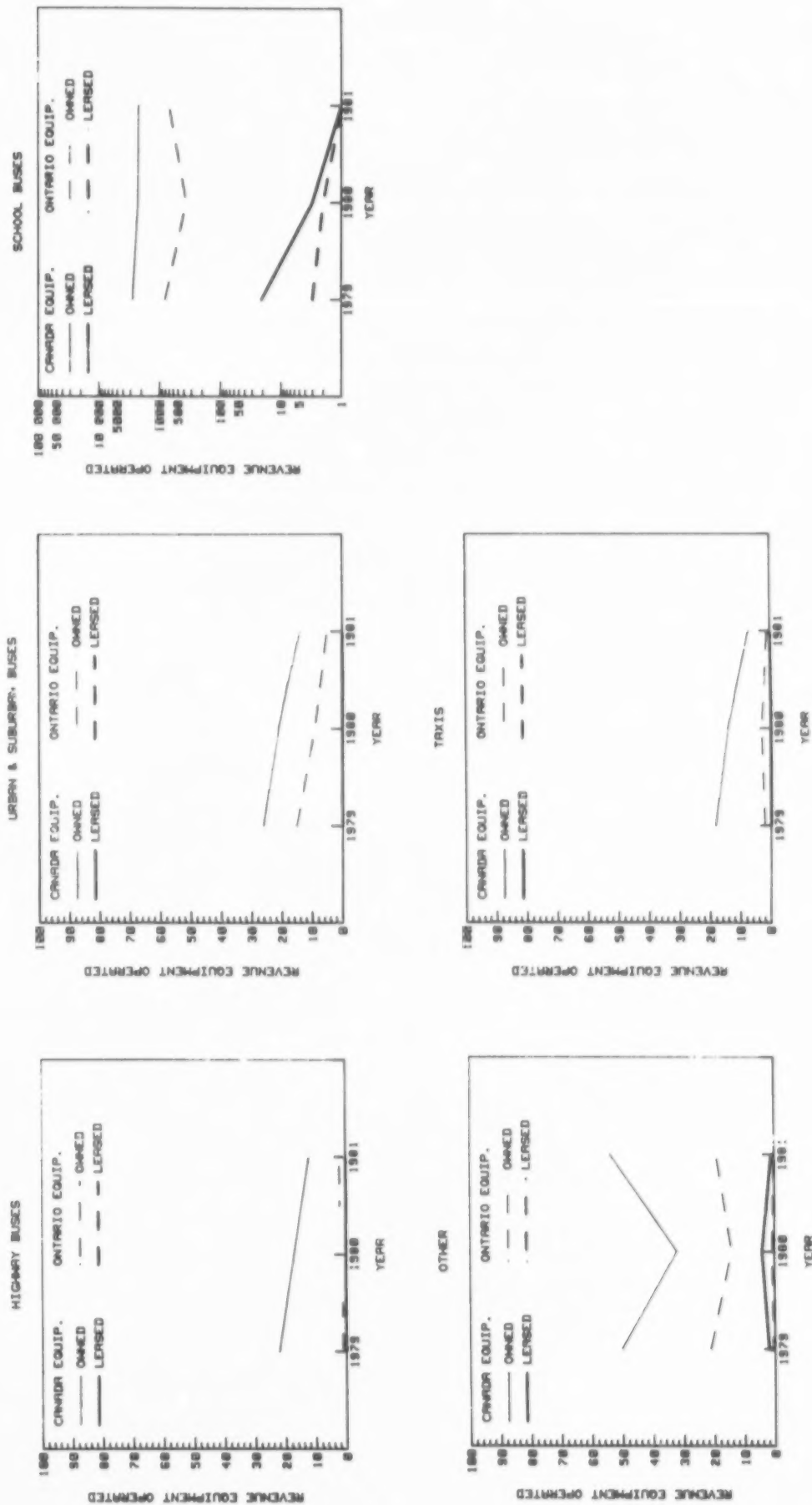
2. Passenger Bus and Urban Transit Statistics, 1980, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division Surface and Marine Transport Section, Ottawa, Ontario, March, 1982, p. 49.

3. Passenger Bus and Urban Transit Statistics, 1981, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, September 1983, p. 58.



Transit

Figure TI 11 - School Bus Establishments, Class 4, Revenue Equipment Operated, 1979-1981



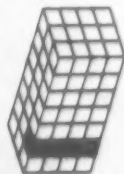


Table T1 12 - School Bus Establishments, Class 0,* Employment, 1979-1981

	CANADA		ONTARIO			
	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
	<u>Number</u>					
1. Drivers	697	429	329	154	166	121
2. Other employees	<u>53</u>	<u>50</u>	<u>32</u>	<u>12</u>	<u>14</u>	<u>12</u>
TOTAL	<u>750</u>	<u>479</u>	<u>361</u>	<u>166</u>	<u>180</u>	<u>133</u>
Working owner(s)	79	73	74	27	24	23

NOTE: School bus establishments - passenger bus establishments whose major activity is school bus service.

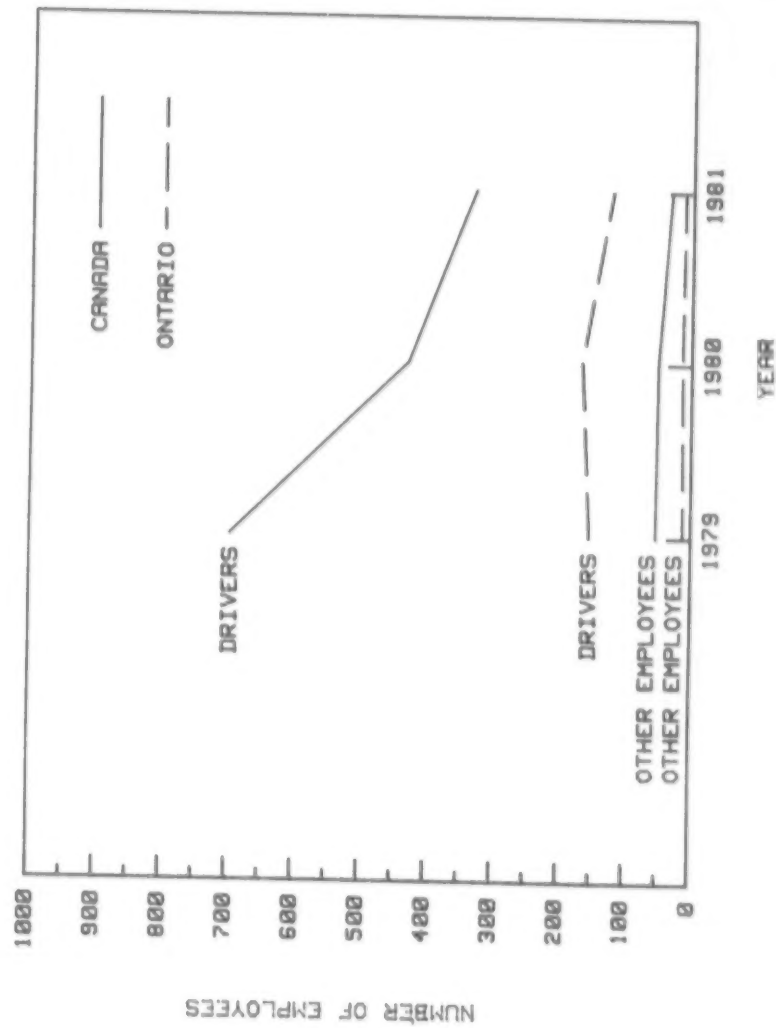
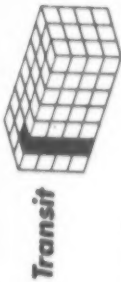
*Class 0 - Establishments which were added to the survey universe for the first time in 1979.

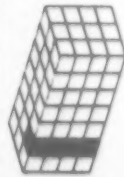
SOURCE: 1. Passenger Bus and Urban Transit Statistics, 1979, Catalogue 52-215 Annual, Statistics Canada, Transportation and Communications Division, Surface Transport Section, Ottawa, Ontario, March 1981, p. 51.

2. Passenger Bus and Urban Transit Statistics, 1980, Catalogue 52-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, March 1982, p. 51.

3. Passenger Bus and Urban Transit Statistics, 1981, Catalogue 52-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, September 1983, p. 60.

Figure TI 12 - School Bus Establishments, Class 0, Employment, 1979-1981





Transit

Table T1 13 - School Bus Establishments, Class 0,* Revenue Equipment Operated, 1979-1981

	CANADA					ONTARIO				
	Equipment					Equipment				
	Owned		Leased			Owned		Leased		
	1979	1980	1981	1979	1980	1981	1979	1980	1981	1981
1. Highway buses	3	8	1	-	-	3	1	-	-	-
2. Urban and suburban buses	9	12	26	-	-	8	-	-	-	-
3. School buses	654	439	334	83	9	2	147	162	129	-
4. Taxis	1	4	2	-	-	-	1	-	2	-
5. Other	20	15	2	-	-	-	2	11	1	-
TOTAL	687	478	365	83	9	2	161	174	132	-

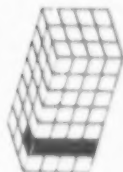
NOTE: School bus establishments - passenger bus establishments whose major activity is school bus service.

*Class 0 - Establishments which were added to the survey universe for the first time in 1979.

SOURCE: 1. Passenger Bus and Urban Transit Statistics, 1979, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface Transport Section, Ottawa, Ontario, March 1981, p. 51.

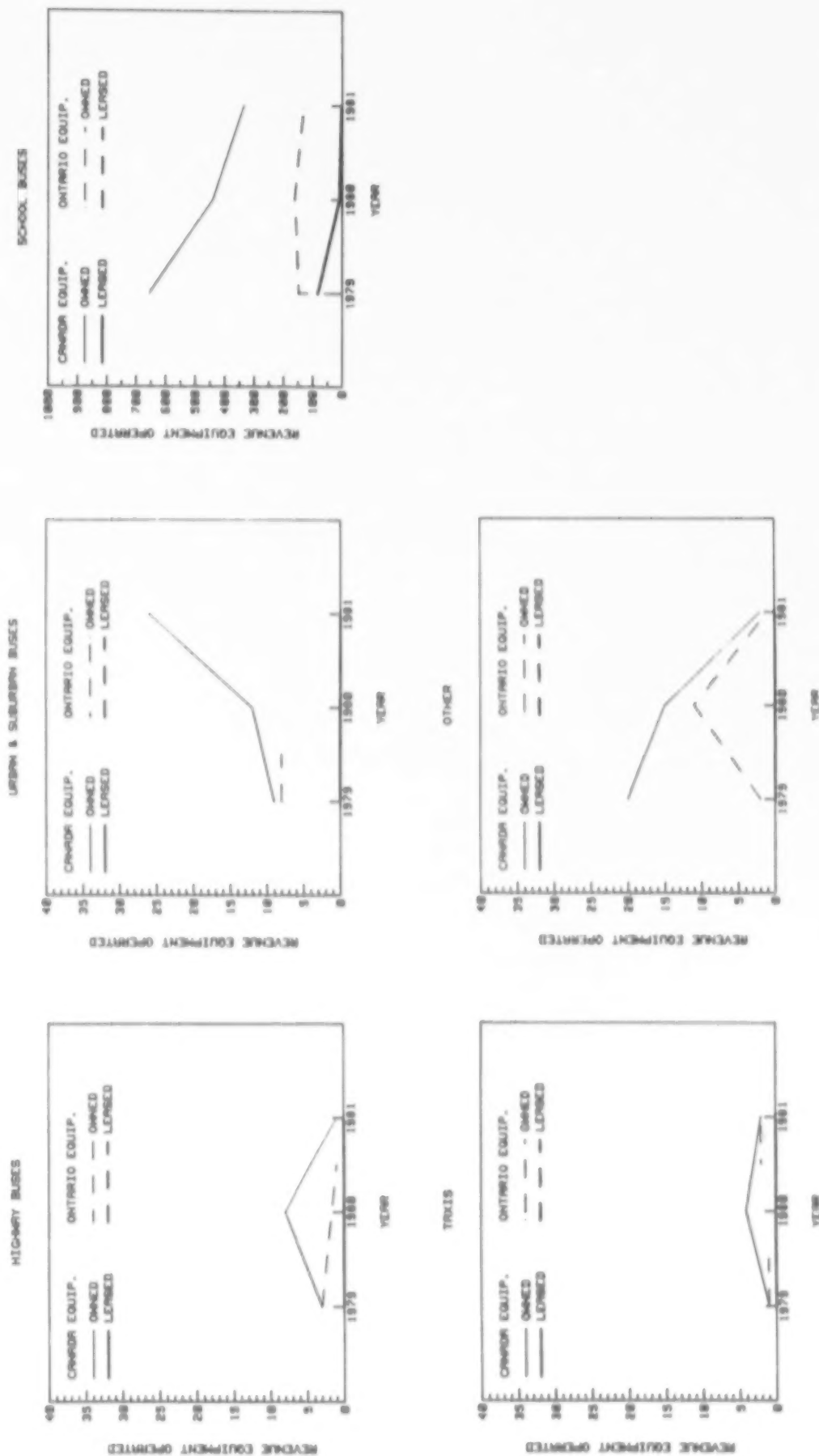
2. Passenger Bus and Urban Transit Statistics, 1980, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, March 1982, p. 51.

3. Passenger Bus and Urban Transit Statistics, 1981, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, September 1983, p. 61.



Transit

Figure T1 13 - School Bus Establishments, Class 0, Revenue Equipment Operated, 1979-1981



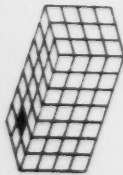


Table TP 1 — Urban Transit in Ontario — Fuel and Electricity Consumed, 1975–1982

YEAR	DIESEL OIL		GASOLINE		PROPANE**	ELECTRICITY
	GALLONS	LITRES	GALLONS	LITRES		
1975	17 509 048	79 595 486	644 476	2 929 764		239 628 096
1976	18 742 631	85 203 309	507 376	2 306 513		247 750 384
1977	19 632 080	89 249 200	405 426	1 843 101		298 661 776
1978	21 534 560	97 898 046	378 481	1 720 606		395 896 007
1979	21 902 975	99 572 885	237 607	1 080 187		343 376 632
1980	23 092 014	104 978 387	198 195	901 013		333 866 106
*1981		109 233 405		856 403		405 483 705
1982		115 042 001		656 080	93 738	359 647 180

NOTE:

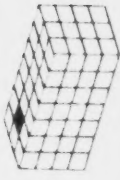
The Statistics Canada survey in the urban transit area covers the operations of establishments earning gross annual total operating revenue (including subsidies) of \$500 000 or more annually from urban transit operations. An establishment is defined as the smallest reporting unit capable of reporting all elements of basic industrial statistics.

*Since January 1981, data by Statistics Canada are shown in metric units, i.e., in litres, only.

**As of the month of July 1982, some carriers reported "propane" as fuel consumption.

SOURCE:

URBAN TRANSIT, Catalogue 53-003, Monthly, 1975-82, Statistics Canada, Ottawa, Ontario.



Transit

Figure TP 1 - Urban Transit in Ontario - Fuel (in Litres) and Electricity (in k.W.h.) Consumed, 1975-1982

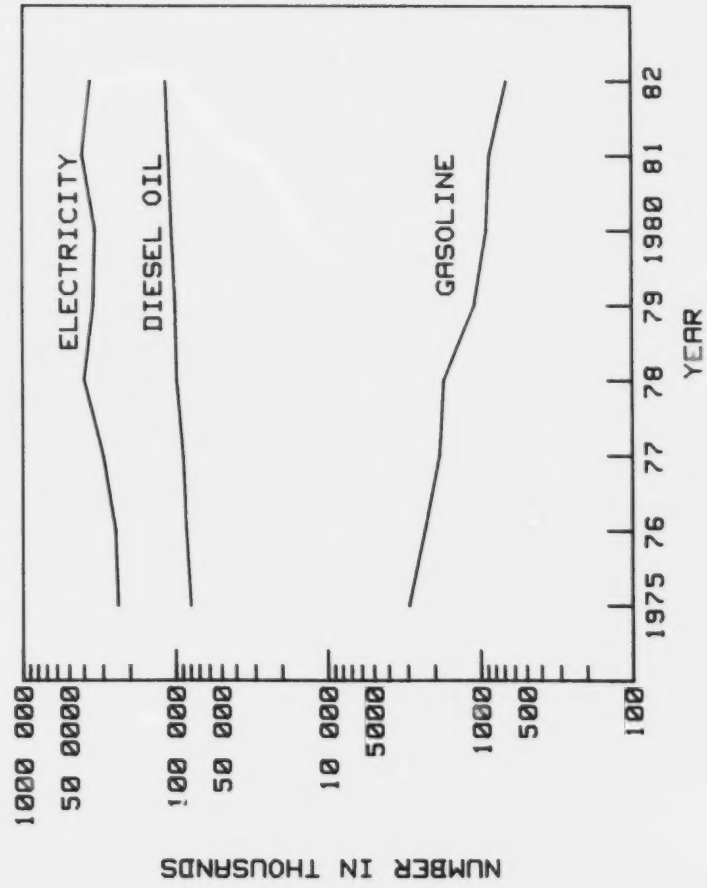
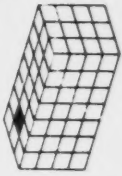


Table TP 2A - Transit in Canada, Ridership - Revenue - Expenses, 1950-1979

YEAR	Number of Properties	Population Served (000's)	Rides Per Capita	Total Revenue (\$000's)	Total Expenses (\$000's)	Net Revenue (\$000's)	Revenue Cost Ratio	Net Revenue Per Pass.	All Taxes (\$000's)
1950	33	-	-	\$ 85 528	\$ 75 247	\$ 10 281	113.7	\$ 0.74	-
1955	32	-	-	109 247	98 784	10 463	110.6	0.93	-
1960	34	-	-	132 975	116 421	16 553	114.2	1.70	-
1965	39	-	-	154 780	139 994	14 786	110.6	1.57	9 417
1970	49	-	-	239 525	231 066	8 459	103.7	0.86	11 730
1971	47	9 955	97.59	242 410	249 193	(6 783)	97.3	(0.70)	10 576
1972	54	10 880	96.32	263 205	284 414	(21 209)	92.5	(2.02)	12 044
1973	57	11 299	93.10	274 847	326 954	(52 107)	84.1	(4.95)	12 834
1974	57	11 782	91.86	285 268	396 443	(111 175)	72.0	(10.27)	13 503
1975	61	12 634	91.73	326 790	495 620	(168 830)	65.9	(14.57)	15 321
1976	64	13 050	93.03	402 589	607 500	(204 911)	66.3	(16.88)	22 252
1977	64	12 824	95.35	422 684	687 014	(264 330)	61.5	(21.62)	26 795
1978	65	12 978	93.86	448 765	806 456	(357 691)	55.6	(29.37)	21 919
1979	66	13 089	92.10	492 623	882 324	(389 701)	55.8	(32.33)	26 640

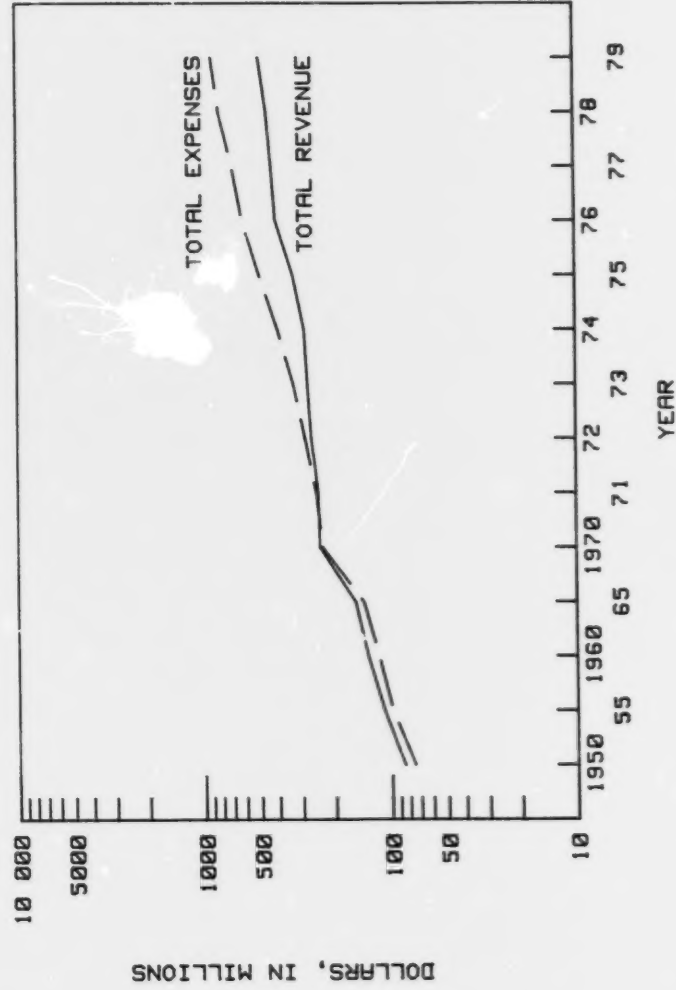
NOTE: Statistical information for the year ending December 31, for the years above, supplied by the CUTA, from its statistical and other records. This data pertains to both publicly and privately owned systems who are members of the Association, operating in urban areas. Data does not include interurban or school bus services.

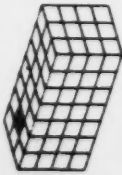
SOURCE: 1980 TRANSIT FACT BOOK AND MEMBERSHIP DIRECTORY, Canadian Urban Transit Association, Toronto, Ontario.



Transit

Figure TP 2A — Urban Transit in Canada, 1950–1979, Total Expenses and Total Revenue





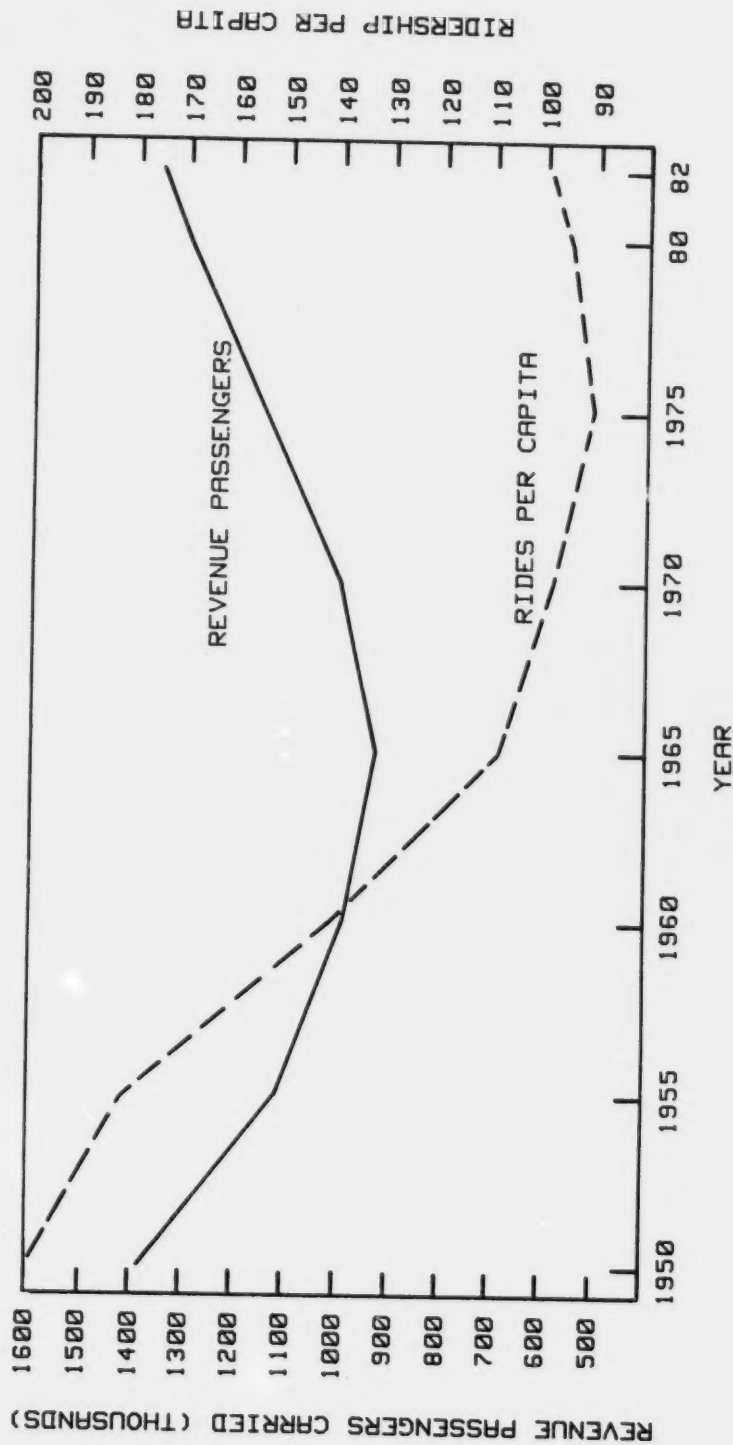
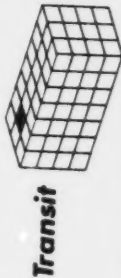
Transit

Table TP 2B — Urban Transit in Canada, by Province, Operating Statistics, 1982

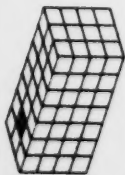
PROVINCE	POP. SERVED (000's)	REV. PASS (000's)	TOTAL PASS. (000's)	RIDER./ PER CAPITA	REV/ KM. (000's)	TOTAL KM. (000's)	REV. KM. PER CAPITA	REV. PASS PER CAPITA
ALBERTA	1 343	116 269	160 793	86.57	63 590	65 562	\$47.35	1828
BRITISH COLUMBIA	1 564	107 717	170 529	68.87	68 514	68 959	43.81	1572
MANITOBA	602	61 373	80 055	101.95	26.973	27 652	44.81	2275
NEW BRUNSWICK	214	4 182	4 777	19.54	2 833	3 262	13.24	1476
NEWFOUNDLAND	125	4 308	4 708	34.46	2 584	2 852	20.67	1667
NOVA SCOTIA	326	13 754	16 651	42.19	6 719	7 747	20.61	2047
ONTARIO	6 006	641 999	935 174	106.89	317 241	331 098	52.82	2024
QUEBEC	3 400	382 444	457 333	112.48	197 450	202 170	58.07	1937
SASKATCHEWAN	344	23 564	27 520	68.50	9 959	10 277	28.95	2366
YUKON	17	240	259	14.12	414	424	24.35	0580
BY POPULATION GROUP								
500 000+	6 879	982 496	1 410 461	142.83	479 040	483 336	69.64	2051
250 - 500 000	3 070	217 859	265 633	70.96	125 303	140 186	40.82	1739
100 - 250 000	1 877	89 394	106 343	47.63	50 445	53 024	26.88	1772
50 - 100 000	1 237	42 791	48 839	34.59	24 570	25 961	19.86	1742
< 50 000	878	23 310	26 523	26.55	16 919	17 496	19.27	1378
TOTAL	13 941	1 355 850	1 857 799	97.26	696 277	720 003	49.94	1947

SOURCE: URBAN TRANSIT FACTS IN CANADA, 1983 EDITION, Canadian Urban Transit Association, Toronto, Ont., 1983.

Figure TP 2B - Canadian Urban Transit Ridership, 1950-1982



SOURCE: URBAN TRANSIT FACTS IN CANADA, 1983 EDITION, Canadian Urban Transit Association, Toronto, Ont., 1983

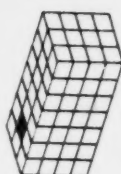


Transit

Table TP 3A — Transit in Canada, Operating Data, 1950–1982

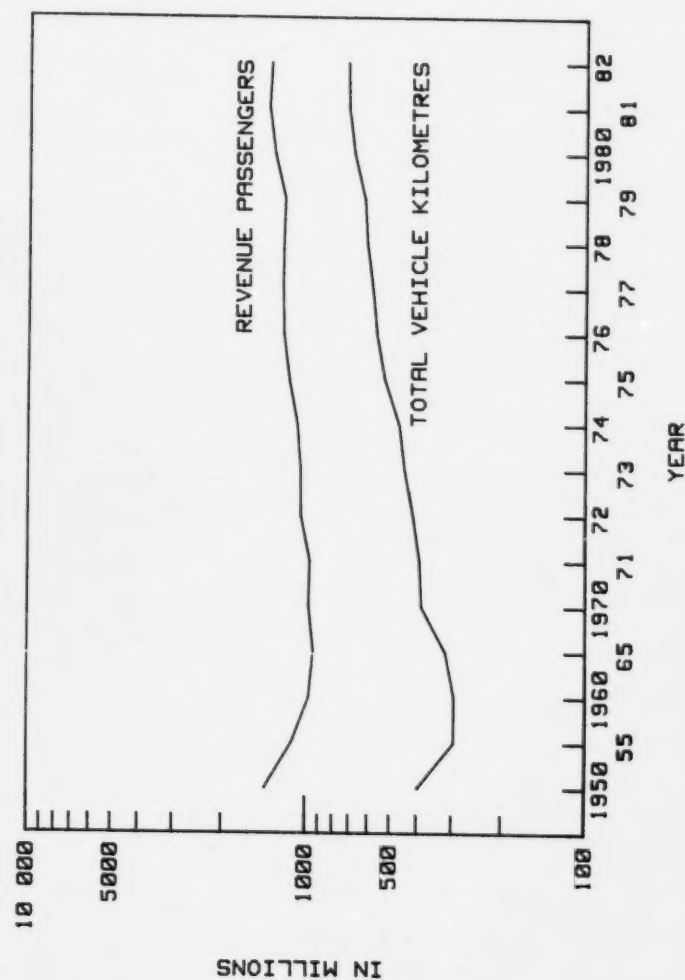
Year	Number of Systems	Population Served ('000's)	Revenue Passengers ('000's)	Total Passengers ('000's)	Revenue Vehicle Kilometres	Total Vehicle Kilometres	Passengers Per Rev. Kilometres	Revenue Per Capita	Rides Per Capita
1950	33	5,666	1 395 671	-	-	397 558 400	-	-	246.32
1955	32	5 950	1 119 273	-	-	294 827 200	-	-	185 11
1960	34	7 196	973 153	-	-	294 914 161	-	-	135.23
1965	39	8 756	941 540	-	-	317 001 248	-	-	107.53
1970	49	9 823	979 728	1 512 664	-	387 166 923	2.531	-	99.74
1971	47	9 955	971 533	1 502 954	-	393 851 966	2.467	39.56	97.59
1972	54	10 880	1 048 008	1 581 541	-	416 172 829	2.518	38.25	96.32
1973	57	11 299	1 051 972	1 604 422	-	446 512 738	2.356	39.52	93.10
1974	57	11 782	1 082 271	1 627 844	-	467 285 066	2.316	39.66	91.86
1975	61	12 634	1 158 933	1 736 295	-	526 726 978	2.200	41.69	91.73
1976	64	13 050	1 214 038	1 815 078	-	564 649 702	2.150	43.29	93.03
1977	64	12 824	1 222 722	1 808 647	-	585 692 800	2.008	45.67	95.35
1978	65	12 978	1 218 084	1 698 468	-	613 836 800	1.984	47.31	93.86
1979	66	13 089	1 205 311	1 658 701	614 022 400	626 459 200	1.963	46.91	92.10
1980	73	13 629	1 315 381	1 781 215	659 227 000	682 063 000	1.995	48.37	96.51
1981	76	13 980	1 381 312	1 868 930	688 854 000	715 809 000	2.005	49.27	98.81
1982	74	13 941	1 355 850	1 857 799	696 277 000	720 003 000	1.947	49.95	97.27

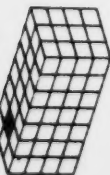
SOURCE: URBAN TRANSIT FACTS IN CANADA, 1983 EDITION, Canadian Urban Transit Association, Toronto, Ontario



Transit

Figure TP 3A — Transit in Canada, 1950–1982, Revenue Passengers and Total Vehicle Kilometres





SUMMARY OF AGGREGATE STATISTICS

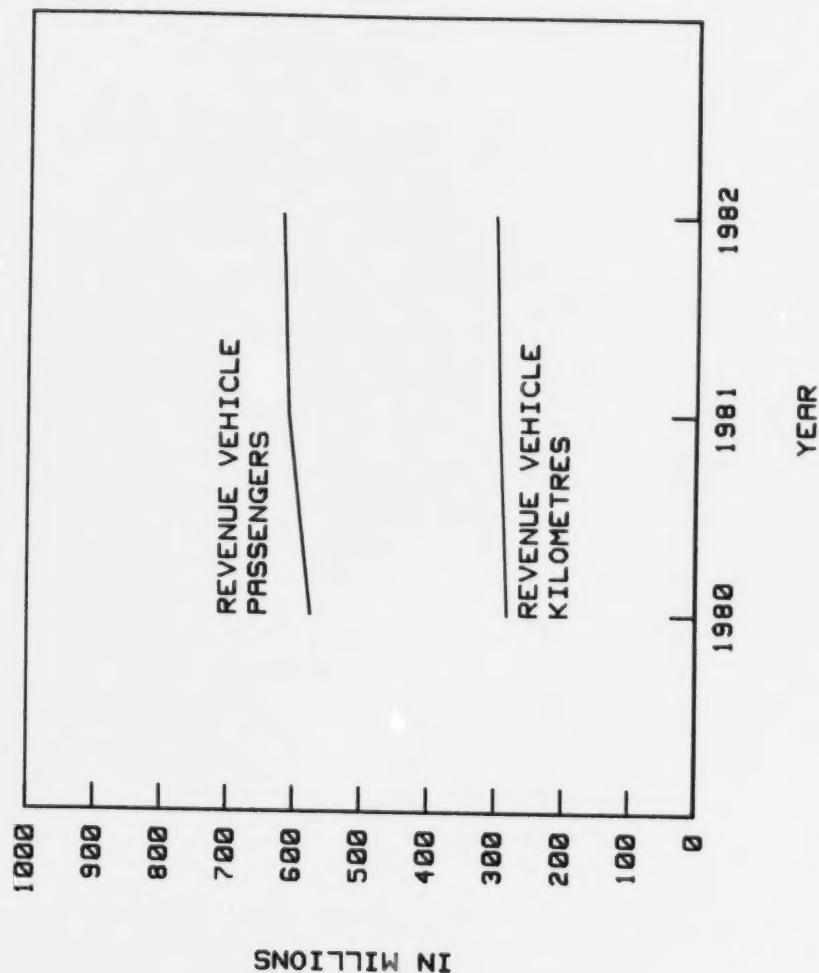
	1980	1981	1982
Number of municipalities with service	67	70	71
Transit systems	56	57	57
Area population with service	6.23 M	6.32 M	6.37 M
Surface vehicles in active fleet*	4 954	4 247	4 325
Subway vehicles in active fleet	632	632	632
Total employees*	12 841	14 142	14 646
Revenue vehicle kilometres*	281.80 M	294.72 M	301.62 M
Revenue vehicle passengers*	575.70 M	610.26 M	620.75 M
Operating cost*	\$402.12 M	\$461.97 M	\$537.66 M
Operating revenue*	\$255.89 M	\$303.64 M	\$344.11 M

NOTE: Data contained in the above table has been derived from information supplied, by the individual transit systems, to compilers of the Fact Book.

*These figures do not include the data for all the systems since the information for a few smaller systems was not available. Nevertheless, the aggregate figures do approximate provincial totals.

SOURCE: 1982 ONTARIO URBAN TRANSIT FACT BOOK, Ontario Ministry of Transportation and Communications and Ontario Urban Transit Association.

Figure TP 3B - Transit in Ontario, 1980-1982, Revenue Vehicle Passengers and Revenue Vehicle Kilometres



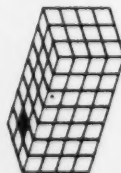


Table TP 4 - Urban Transit in Ontario - Fare Passengers Carried, 1975-1982

YEAR	MOTOR BUS	TROLLEY COACH	STREETCAR	SUBWAY	OTHER*	TOTAL - URBAN AND SUBURBAN (regular and extra services)	OTHER SERVICES such as Charter School Bus, Contract and Tours	GRAND TOTAL
1975	302 024 696	26 357 723	65 557 314	118 231 201	-	512 171 014	4 787 666	516 958 680
1976	312 479 337	24 816 568	63 153 486	117 673 819	-	518 123 210	3 973 053	522 096 263
1977	309 332 429	27 891 156	59 663 282	119 875 803	-	516 732 670	3 611 614	520 344 284
1978	325 151 428	27 422 522	55 424 772	122 178 296	-	530 177 018	**	530 177 018
1979	323 604 010	28 202 348	55 344 141	127 445 754	-	534 596 253	**	534 596 253
1980	343 089 943	28 205 871	57 162 337	-	135 952 827	564 410 978	**	564 410 978
1981	364 321 142	28 701 159	58 686 925	-	146 237 381	597 952 607	**	597 952 607
1982	377 301 613	25 440 160	57 645 554	-	150 374 231	610 761 475	**	610 761 475

NOTE:

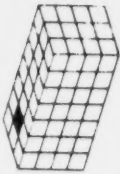
- The survey covers the operations of establishments earning gross annual total operating revenue (including subsidies) of \$500 000 or more annually from urban transit operations. An establishment is defined as the smallest reporting unit capable of reporting all elements of basic industrial statistics.
- Data relating to other services such as charter or contract are specific to the surveyed urban transit establishments and are not indicative of overall charter and contract operations.
- Passengers paying a fare to the operator of one vehicle and travelling on a second or third vehicle on a transfer are counted for the first vehicle only.
- Total distance run by vehicles should be the total distance run in revenue service. Returning empty from a chartered trip or running empty to provide a vehicle for a chartered trip should be classified as chartered distance. Similar distance made for a regular service should be classified as regular distance.
- The annual figures shown in the above table were compiled from the Statistics Canada monthly publications entitled "URBAN TRANSIT", Catalogue No. 53-003, for the years 1975-1982. There were intensive telephone consultations, in 1981, with officials of the Transportation and Communications Division of Statistics Canada in order to obtain an elucidation and to clear up some inconsistencies in monthly reporting in Statistics Canada monthly publications of operation of transit modes for each particular month of a given year.

*OTHER - is specified as subway, LRT, sea-bus, etc.

**The number of fare passengers carried for services other than urban and suburban are not kept by all carriers.

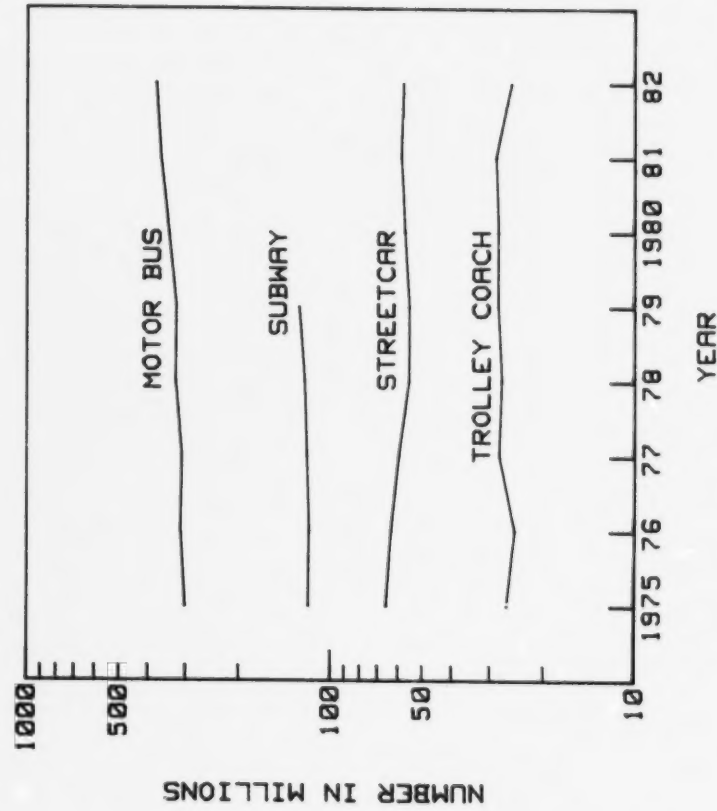
SOURCE:

URBAN TRANSIT, Catalogue 53-003, Monthly, 1975-1982, Statistics Canada, Ottawa, Ontario.



Transit

Figure TP 4 — Urban Transit in Ontario - Fare Passengers Carried, 1975-1982



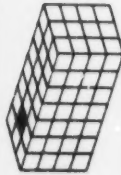


Table TP 5 - Passenger Bus and Urban Transit, Other Passenger Bus Establishments, Classes 1, 2 and 3,* (Excluding School Bus Operators), Traffic Statistics, 1979-1981

	1979		1980		1981	
	CANADA	ONTARIO	CANADA kilometres	ONTARIO	CANADA	ONTARIO
TOTAL DISTANCE RUN:						
REGULAR AND EXTRA BUS SERVICE:						
1. Inter-city service	4 162 831	507 663	5 952 510	1 739 798	2 165 023	1 199 419
2. Urban and suburban services	1 113 955	109 433	2 158 257	1 376 314	6 080 842	2 070 153
3. Charter bus service	52 534 155	11 964 143	43 426 864	14 755 032	51 404 495	15 024 793
4. Contract bus service (school, etc.)	33 957 970	10 915 561	36 828 211	17 474 056	41 958 179	19 102 344
5. Taxi service	128 744	80 465	266 661	196 196	331 927	183 743
6. Other passenger service	160 930	160 930	8 046	-	16 093	-
7. TOTAL	92 058 585	23 738 195	88 640 549	35 531 396	101 966 659	37 589 179
FUEL CONSUMED:						
CANADIAN FUEL:						
8. Gasoline	13 823 307	3 700 679	25 330 620	11 571 278	22 731 313	11 427 104
9. Diesel	19 390 414	5 053 173	13 839 954	3 724 178	21 940 053	5 339 602
10. TOTAL UNITED STATES FUEL:	33 213 721	8 753 852	39 170 574	15 301 456	44 671 366	16 766 706
11. Gasoline	2 631	-	15 478	-	-	-
12. Diesel	1 294 294	497 729	1 523 518	255 916	1 672 314	540 407
13. TOTAL	1 296 925	497 729	1 538 996	255 916	1 672 314	540 407
FUEL COST (INCLUDING TAX):						
14. TOTAL	7 262 218	1 980 155	10 301 946	3 982 885	14 531 709	5 399 966

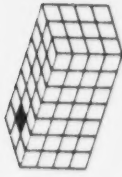
NOTE:* Classes of Establishments:

- Class 1 - Establishments which earned gross annual operating revenues of \$2 million or more in 1978, 1979 and in 1980.
- Class 2 - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1978, 1979 and in 1980.
- Class 3 - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1978, 1979 and in 1980.

SOURCE: 1/ Passenger Bus and Urban Transit Statistics, 1979, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface Transport Section, Ottawa, Ontario, March 1981, p. 56.

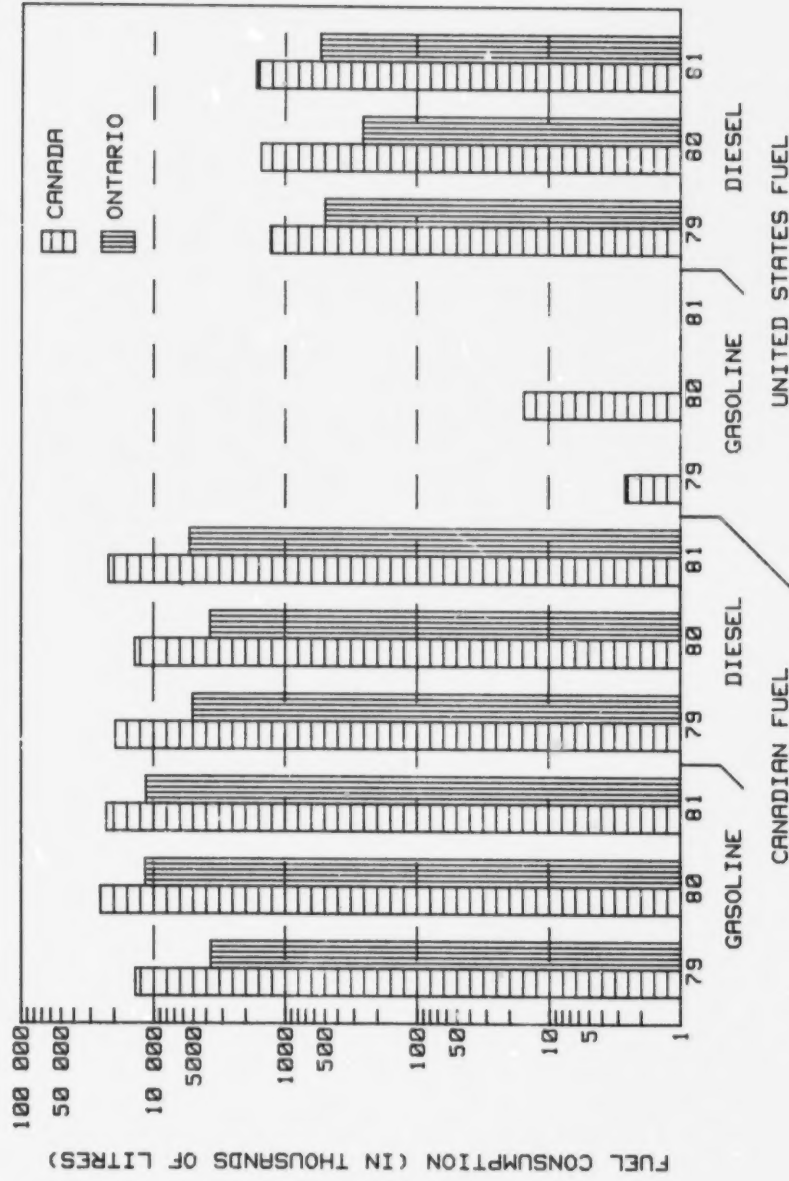
2/ Passenger Bus and Urban Transit Statistics, 1980, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, March 1982, p. 56.

3/ Passenger Bus and Urban Transit Statistics, 1981, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, September 1983, p. 68.



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Figure TP 5 — Passenger Bus and Urban Transit, Other Passenger Bus Establishments, Classes I, II and III, 1979–1981, (Excluding School Bus Operators)



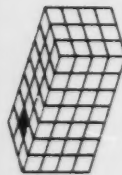


Table TP 6 - Passenger Bus and Urban Transit, School Bus Establishments - Classes 1, 2 and 3,** Traffic Statistics, 1979-1981

	1979		1980		1981	
	CANADA	ONTARIO	CANADA	ONTARIO	CANADA	ONTARIO
TOTAL DISTANCE RUN:						
REGULAR AND EXTRA BUS SERVICE:						
1. Inter-city service	10 887 033	6 113 449	9 648 020	6 118 604	6 331 812	2 989 625
2. Urban and suburban services	6 079 807	2 530 256	7 505 097	3 373 982	8 355 227	5 435 286
3. Charter bus service	31 889 398	17 435 672	31 617 329	18 189 661	31 615 331	17 890 577
4. Contract bus service (school, etc)	277 085 850	110 717 317	282 475 944	120 702 178	320 845 042	132 466 444
5. Taxi service	318 545	177 650	333 472	270 760	231 964	141 275
6. Other passenger service	163 648	64 422	812 374	777 291	2 640 350	1 772 611
7. TOTAL	326 424 281	137 038 766	332 392 236	149 432 566	370 019 726	160 695 818
FUEL CONSUMED:						
CANADIAN FUEL:						
8. Gasoline	152 113 758	62 370 384	158 473 091	71 276 918	168 451 814	72 281 702
9. Diesel	9 070 294	5 295 582	5 705 656	1 369 902	13 162 319	6 350 790
10. TOTAL	161 184 052	67 665 966	164 178 747	72 646 820	181 614 133	78 632 492
UNITED STATES FUEL:						
11. Gasoline	43 195	43 195	80 629	80 629	3 028	3 028
12. Diesel	193 646	193 646	103 796	64 049	346 841	346 841
13. TOTAL	236 841	236 841	184 425	144 678	349 869	349 869
FUEL COST (INCLUDING TAX):						
14. TOTAL	32 103 190	13 354 111	40 314 931	18 105 317	53 991 327	23 206 374

NOTE: * School bus establishments - passenger bus establishments whose major activity is school bus service.
Classes of Establishments:

Class 1 - Establishments which earned gross annual operating revenues of \$2 million or more in 1978, 1979 and in 1980.

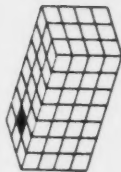
Class 2 - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1978, 1979 and in 1980.

Class 3 - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1978, 1979 and in 1980.

SOURCE: 1/ Passenger Bus and Urban Transit Statistics, 1979, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface Transport Section, Ottawa, Ontario, March 1981, p. 46.

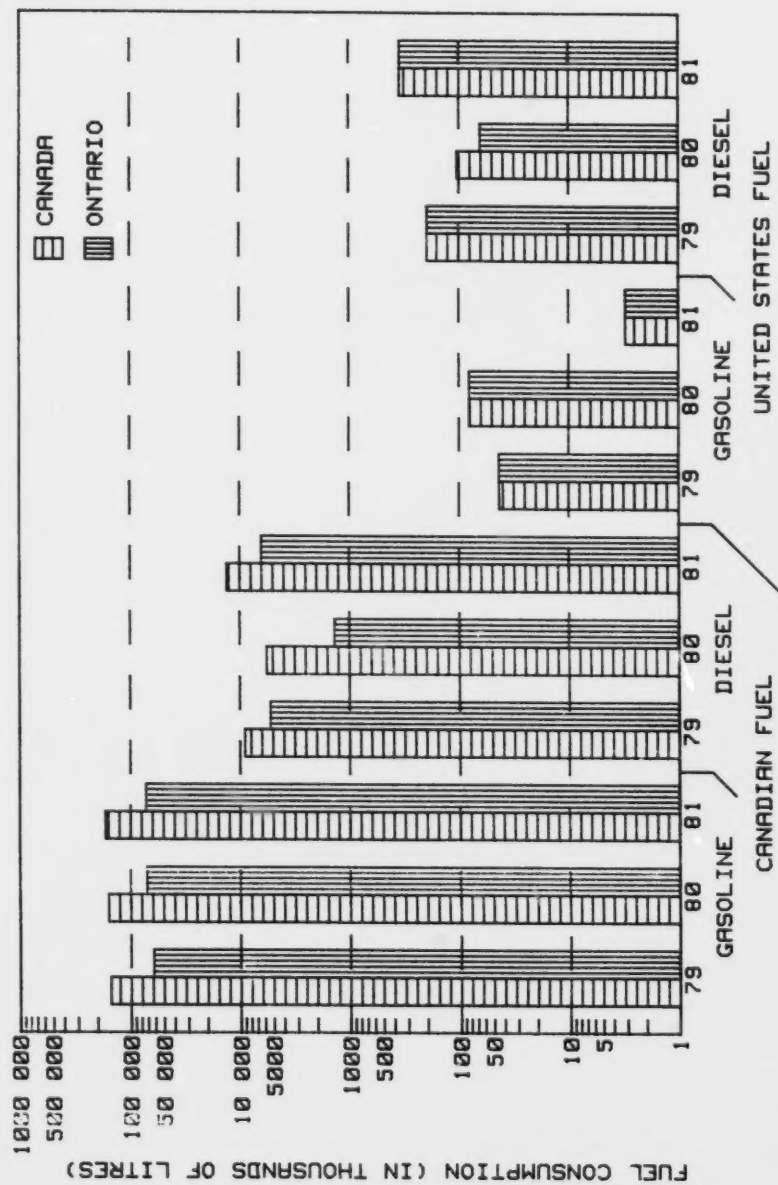
2/ Passenger Bus and Urban Transit Statistics, 1980, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, March 1982, p. 46.

3/ Passenger Bus and Urban Transit Statistics, 1981, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, September 1983, p. 54.



Transit

Figure TP 6 - Passenger Bus and Urban Transit, School Bus Establishments, Classes 1, 2 and 3, Traffic Statistics, 1979-1981



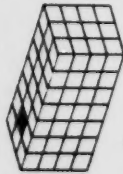


Table TP 7 - Annual Bus Passenger-Kilometres, by Country, 1960-1977

COUNTRY	BUS THOUSAND MILLION PASSENGER-KILOMETRES			ANNUAL AVERAGE PERCENTAGE CHANGE		
	1960	1970	1973	1977	1960-70	1970-73 1973-77
Canada	8.9	10.6	14.6	17.3	1.8%	11.3% 4.3%
U.S.	141.6	160.9	160.9	189.9	1.3%	0 4.2%
Australia	13.6	19.2	21.2	24.8	3.5%	3.4% 4.0%
France	16.5	19.5	26.1	25.1	1.7%	10.2% -1.0%
West Germany	31.3	51.0	57.3	56.0	5.0%	4.0% -0.6%
Italy	23.6	32.0	42.3	55.2	3.1%	9.7% 6.9%
Japan	14.1	110.9	143.8	188.2	22.9%	9.0% 7.0%
U.K.	70.6	54.9	54.6	53.0	-2.5%	-0.2% -0.7%
U.S.S.R.	61.0	198.3	253.9	344.5	12.5%	8.6% 7.9%
TOTAL	381.2	657.3	774.7	954.0	5.6%	5.6% 5.3%

SOURCE: - Annual Bulletin of Transport Statistics for Europe, 1978;

- International Road Federation, 1971;

- U.N. Yearbooks;

- TRRL Laboratory Report 662, as shown in PASSENGER AND GOODS TRANSPORTATION, AN

INTERNATIONAL COMPARISON, 1960-1977, Transport Canada, Strategic Planning,

Catalogue T22-53/1981, Place de Ville, Ottawa, Ontario, May 1981.

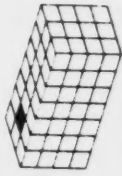
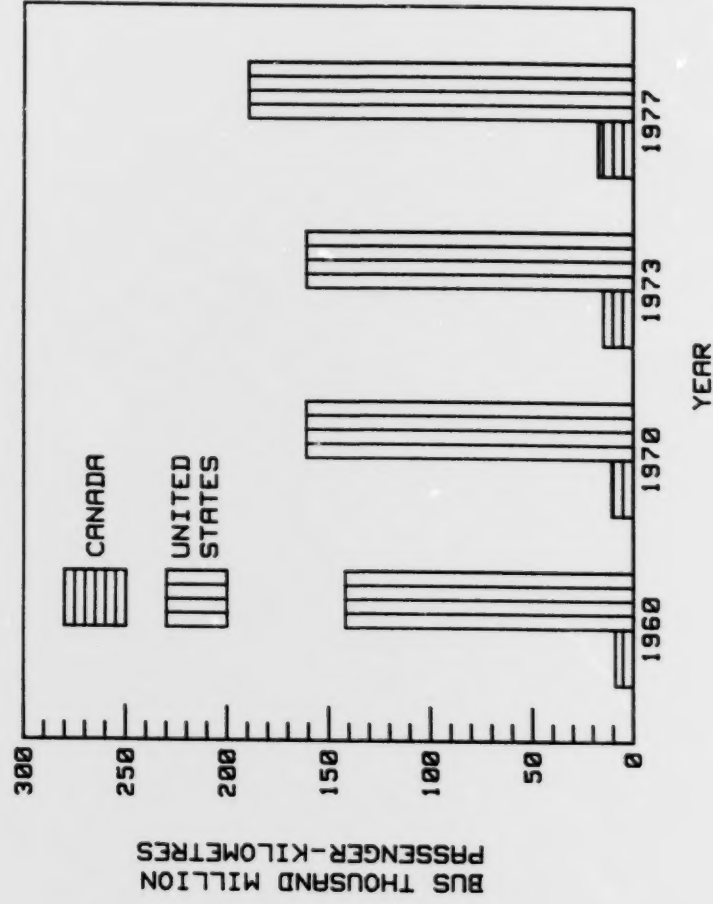


Figure TP 7 - Annual Bus Passenger - Kilometres, United States and Canada, 1960 1977



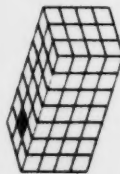
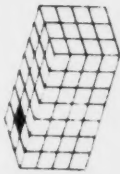


Table TP 8 -- Annual Bus Passenger-Kilometres per Capita, by Country 1960-1977

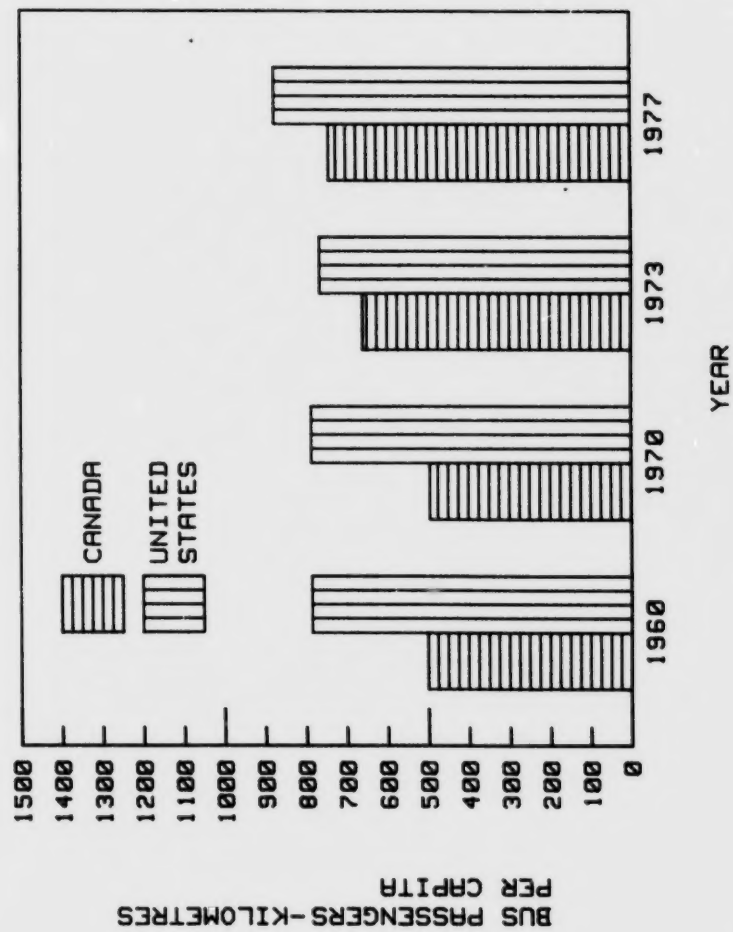
COUNTRY	BUS PASSENGERS-KILOMETRES PER CAPITA				ANNUAL AVERAGE PERCENTAGE CHANGE		
	1960	1970	1973	1977	1969-70	1970-73	1973-77
Canada	500	495	660	742	-0.1%	10.1%	3.0%
U.S.	784	786	765	876	-	-0.9%	3.4%
Australia	1324	1530	1618	1764	1.5%	1.9%	2.2%
France	362	384	501	473	0.6%	9.3%	-1.4%
West Germany	586	858	925	912	3.9%	2.5%	-0.4%
Italy	478	596	771	978	2.2%	9.0%	6.1%
Japan	151	1073	1323	1653	21.7%	7.2%	5.7%
U.K.	1344	985	1004	947	-3.1%	0.6%	-1.5%
U.S.S.R.	285	817	1017	1331	11.1%	7.6%	7.0%

SOURCE: PASSENGER AND GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON, 1960 - 1977, Transport Canada, Strategic Planning, Catalogue T22-53/1981, Place de Ville, Ottawa, Ontario, May 1981.



Transit

Figure TP 8 — Annual Bus Passenger-Kilometres per Capita, United States and Canada, 1960–1977



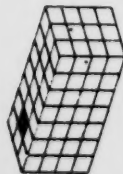


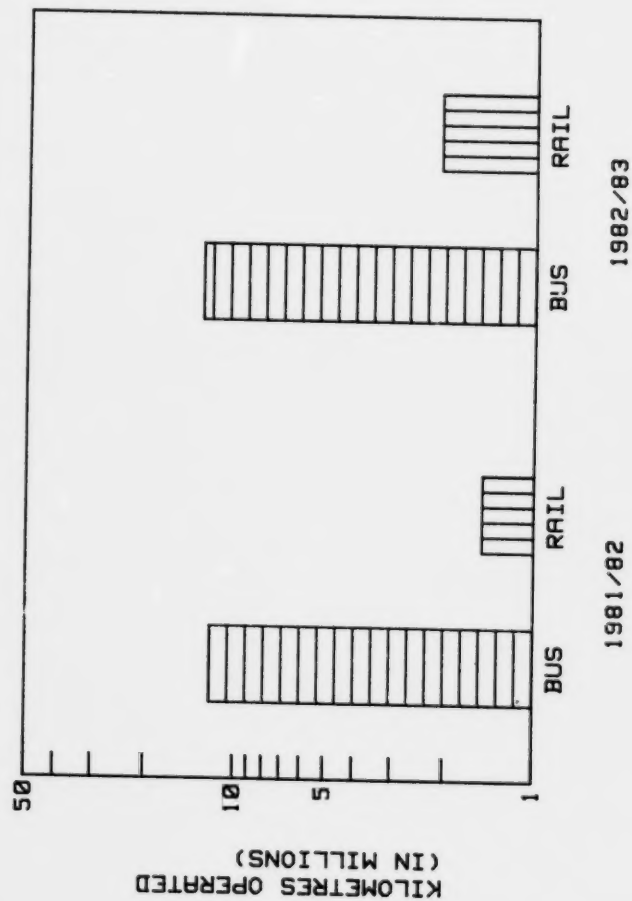
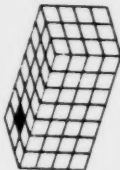
Table TP 9 - GO Transit Operational Statistics for Fiscal Years 1982-83 and 1981-82

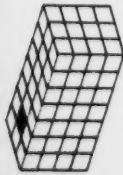
Corridor	Passengers Carried (Thousands)		Route Kilometres Operated (At year end)		Kilometres Operated (Thousands)	
	1982-83	1981-82	1982-83	1981-82	1982-83	1981-82
RAIL						
Lakeshore	10 702	11 012	97	97	1 691	1 230
Georgetown	1 272	1 288	47	47	118	112
Richmond Hill	507	537	34	34	99	93
Milton	902	365	50	50	112	49
Bradford	101	—	67	—	23	—
Stouffville	96	—	46	—	33	—
Total	13 580	13 202	341	228	2 076	1 484
BUS						
Hamilton	2 130	2 229	178	178	3 734	3 776
Milton	157	248	60	60	426	682
Georgetown	1 237	1 118	217	220	2 242	2 002
Newmarket	3 731	3 379	323	364	3 537	3 101
Uxbridge	134	134	148	148	399	404
Oshawa	2 118	1 972	172	237	2 541	2 068
Total	9 507	9 080	1098	1207	12 879	12 033
SYSTEM	23 087	22 282	1439	1435	14 955	13 517

SOURCE: GO TRANSIT, ANNUAL REPORT for the year ended March 31, 1983, Toronto Transit Operating Authority.

Figure TP 9 - GO Transit, Operational Statistics for the Fiscal Years 1982/83 and 1981/82

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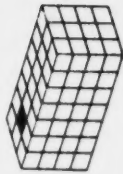
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Table TP 10 - GO Toronto Area Transit Operating Authority, Rail Ridership on Calendar Year Basis, 1967-1983

CALENDAR	LAKESHORE	GEORGETOWN	RICHMOND HILL	MILTON	BRADFORD	STOUVILLE	TOTAL
1967	2 519 578*						7 226 399
1968	4 668 800						7 950 654
1969	4 843 900						9 041 013
1970	5 055 834						9 822 897
1971	5 466 051						11 025 847
1972	6 156 668						11 547 015
1973	5 558 856						12 206 538
1974	6 834 442	391 957*					12 951 706
1975	7 184 365	766 289					13 624 948
1976	8 093 387	947 626					13 908 000
1977	8 768 243	1 054 654					
1978	9 608 464	1 145 347	272 036*				
1979	9 898 163	1 159 838	489 014				
1980	10 522 950	1 193 345	490 243				
1981	11 020 355	1 270 406	520 908	140 037*			
1982	10 821 532	1 290 000	528 000	878 416	55 000*	52 000*	
1983	10 799 000	1 252 000	461 000	1 037 000	175 000	184 000	

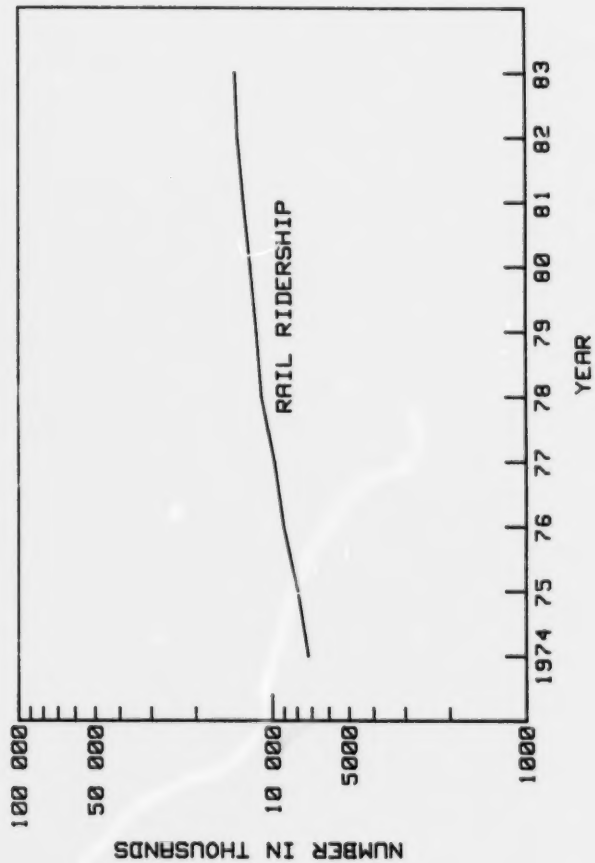
NOTE: * Partial year

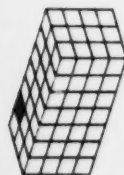
SOURCE: D.K. Philpott, Project Analyst, Development Branch, GO TRANSIT Toronto Area Transit Operating Authority, February 6, 1984.



Transit

Figure TP 10 - GO Toronto Area Transit Operating Authority, Rail Ridership in Thousands, 1974-1983, (Calendar Year Basis)



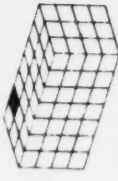


Transit

**Table TF 1 – Statement of Equity and of Operations for the Fiscal Year Ended March 31, 1979, 1980, 1981, 1982 and 1983,
Toronto Area Transit Operating Authority**

STATEMENT OF EQUITY IN THOUSANDS OF DOLLARS				
	1979	1980	1981	1982
Equity at beginning of year	\$110 821	\$134 228	\$176 975	\$205 698
Capital contribution from the Province of Ontario	29 886	51 490	38 471	44 651
Amortization of Capital Contribution	140 707	185 718	215 446	250 349
	(6 479)	(8 743)	(9 748)	(13 739)
Equity at end of year	\$134 228	\$176 975	\$205 698	\$236 610
				\$282 428
STATEMENT OF OPERATIONS IN THOUSANDS OF DOLLARS				
	1979	1980	1981	1982
REVENUE				1983
Commuter services	\$ 19 779	\$ 21 829	\$ 26 528	\$ 32 621
Other - sundry revenue	959	2 700	2 697	3 243
				\$ 38 675
				2 202
	20 738	24 529	29 225	35 864
				40 877
EXPENSES				
Train and bus operations	30 884	33 340	\$ 40 553	52 628
Terminals and plant	12 601	17 211	19 888	23 790
General and administration	4 534	5 871	8 580	11 181
				13 876
	48 019	56 422	69 021	87 599
				99 123
LOSS FROM OPERATIONS	27 281	31 893	39 796	51 735
Operating subsidy from the Province of Ontario	20 802	23 150	39 796	51 735
				58 246
LOSS FOR THE YEAR	\$ 6 479	\$ 8 743	\$ ---	\$ ---
				\$ ---

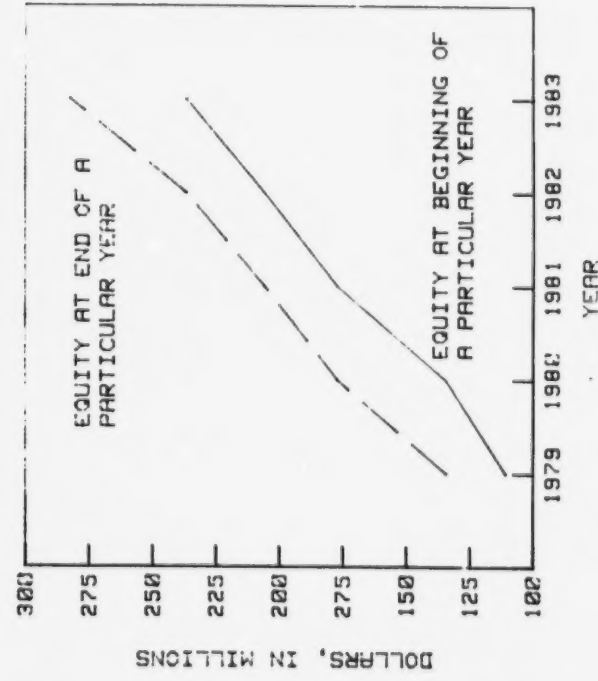
SOURCE: GO ANNUAL REPORT for the year ending March 31, 1980, 1981, 1982 and 1983, Toronto Area Transit Operating Authority.



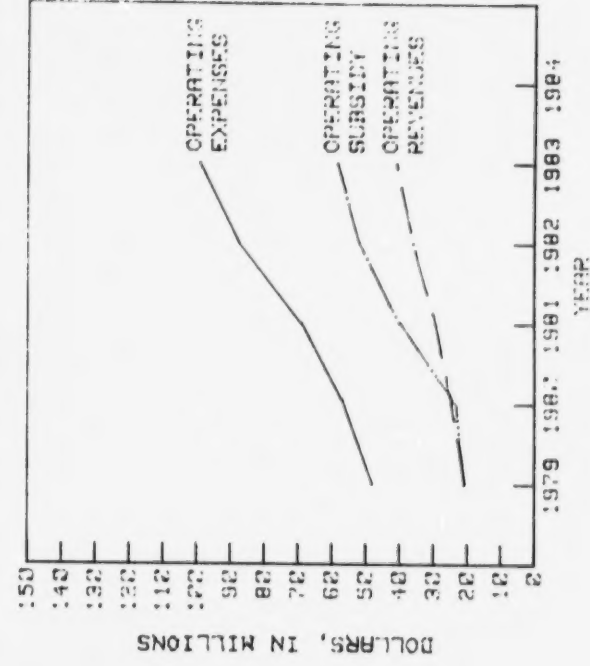
Transit

Figure TF 1 - Statement of Equity and Operations for the Fiscal Year Ended March 31, 1979, 1980, 1981, 1982 and 1983, Toronto Area Transit Operating Authority

A. EQUITY



B. OPERATING EXPENSES AND REVENUES



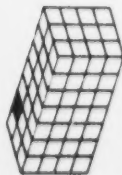
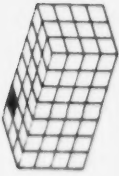


Table TF 2A -- Urban Transit in Canada, Financial Data, 1950-1982

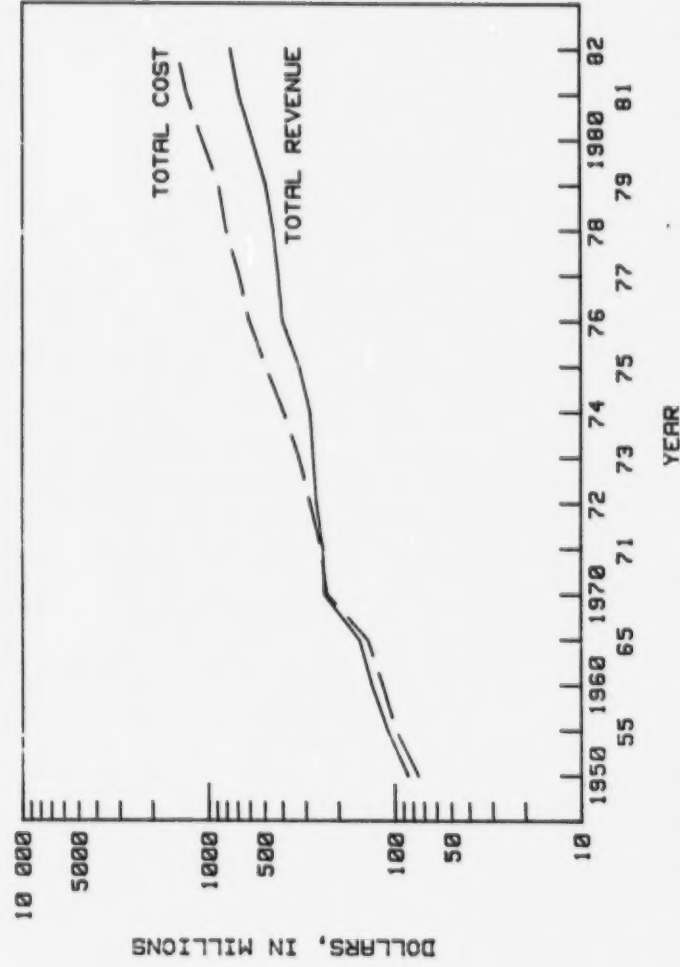
YEAR	NUMBER OF SYSTEMS	TOTAL REVENUE (000's)	TOTAL COST (000's)	NET COST (000's)	REVENUE/COST RATIO	REVENUE PER PASSENGER	COST PER PASSENGER	NET COST PER PASSENGER
1950	33	\$ 85 528	\$ 75 247	\$ (10 281)	1.137	\$0.061	\$0.054	\$(0.007)
1955	32	109 247	98 784	(10 463)	1.106	0.098	0.088	(0.009)
1960	34	132 975	116 421	(16 553)	1.142	0.137	0.120	(0.017)
1965	39	154 780	139 994	(14 786)	1.106	0.164	0.149	(0.016)
1970	49	239 525	231 066	(8 459)	1.037	0.245	0.236	(0.009)
1971	47	242 410	249 193	6 783	0.973	0.250	0.257	0.007
1972	54	263 205	284 414	21 209	0.925	0.251	0.271	0.020
1973	57	274 847	326 954	52 107	0.841	0.261	0.311	0.050
1974	57	285 268	396 443	111 175	0.720	0.264	0.366	0.103
1975	61	326 790	495 620	168 830	0.659	0.282	0.428	0.146
1976	64	402 589	607 500	204 911	0.663	0.332	0.500	0.169
1977	64	422 684	687 014	264 330	0.615	0.346	0.562	0.216
1978	65	448 765	806 456	357 691	0.556	0.368	0.662	0.294
1979	66	492 623	882 324	389 701	0.558	0.409	0.732	0.323
1980	73	580 953	1 082 499	501 546	0.537	0.442	0.823	0.381
1981	76	688 243	1 307 806	619 563	0.526	0.498	0.947	0.449
1982	74	763 626	1 482 011	718 385	0.515	0.563	1.093	0.530

SOURCE: URBAN TRANSIT FACTS IN CANADA, 1983 EDITION, Canadian Urban Transit Association, Toronto, Ontario.



Transit

Figure TF 2A - Urban Transit in Canada, Total Cost and Total Revenue, 1950-1982



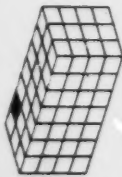


Table TF 2B - Urban Transit in Ontario - Total Operating Revenues, 1975-1982

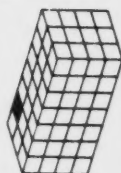
YEAR	MOTOR BUS*	TROLLEY COACH	STREETCAR	SUBWAY	OTHER	TOTAL - URBAN AND SUBURBAN (regular and extra services)	OTHER SERVICES such as Charter, School Bus, Contract and Tours	GRAND TOTAL
1975	137 538 879	1 964 067	-	-	-	139 502 946	3 335 277	142 838 223
1976	166 261 681	2 289 542	-	-	-	168 551 223	3 167 355	171 718 578
1977	180 380 298	2 371 848	-	-	-	182 752 146	3 534 901	186 287 047
1978	199 035 577	2 434 635	-	-	-	201 470 212	3 822 070	205 292 282
1979	219 928 782	2 903 578	-	-	-	222 832 360	4 408 811	227 241 171
1980	244 699 427	3 377 239	-	-	-	248 076 666	4 634 684	252 711 350
1981	278 359 583	4 169 911	-	-	-	282 529 494	4 931 549	287 491 043
1982	326 199 996	3 328 038	-	-	-	328 988 034	5 503 470	335 031 504

NOTE:

- The survey covers the operations of establishments earning gross annual total operating revenue (including subsidies) of \$500 000 or more annually from urban transit operations. An establishment is defined as the smallest reporting unit capable of reporting all elements of basic industrial statistics.
- Data relating to other services such as charter or contract are specific to the surveyed urban transit establishments and are not indicative of overall charter and contract operations.
- Passengers paying a fare to the operator of one vehicle and travelling on a second or third vehicle on a transfer are counted for the first vehicle only.
- Total distance run by vehicles should be the total distance run in revenue service. Returning empty from a chartered trip or running empty to provide a vehicle for a chartered trip should be classified as chartered distance. Similar distance made for a regular service should be classified as regular distance.
- The annual figures shown in the above table were compiled from the Statistics Canada monthly publications entitled "URBAN TRANSIT", Catalogue 53-003, for the years 1975-1982. There were intensive telephone consultations, in 1981, with officials of the Transportation and Communications Division of Statistics Canada in order to obtain an elucidation and to clear up some inconsistencies in monthly reporting in Statistics Canada monthly publications of operation of transit modes for each particular month of a given year.
- In April and May 1980 instead of "Total Operating Revenues" in "Urban Transit", Statistics Canada monthly publications "Passenger Revenue Earned" is shown.

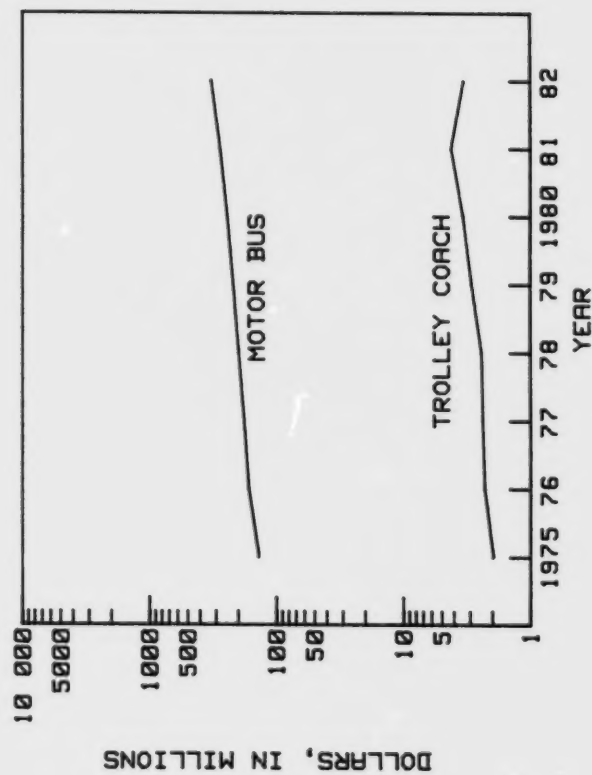
* Includes revenues for all urban and suburban services of the Toronto Transit System for which no breakdown is available.

SOURCE: URBAN TRANSIT, Catalogue No. 53-003 Monthly, 1975-1982, Statistics Canada, Ottawa, Ontario



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Figure TF 2B — Urban Transit in Ontario — Total Operating Revenues, 1975–1982



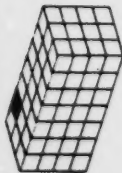
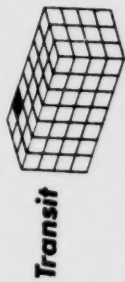


Table TF 3 - Capital Expenditures - Toronto Transit Commission, for the Years 1978-1982

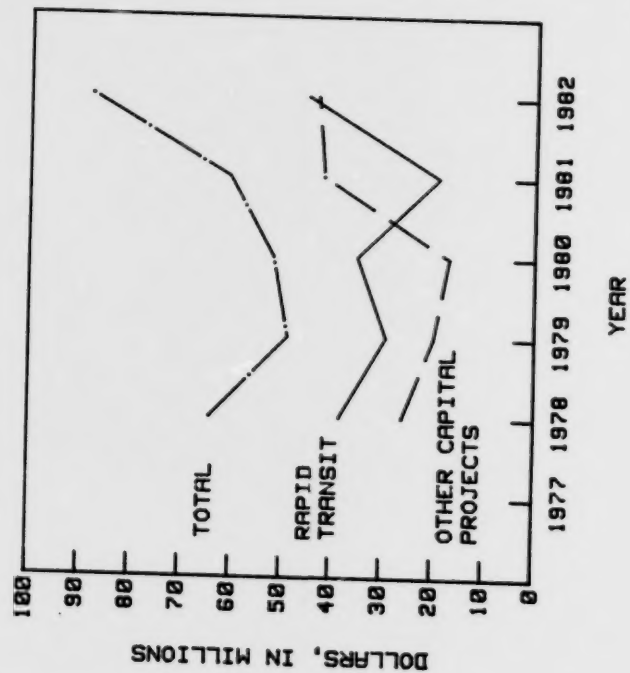
	1979 & 1978			1980 & 1981			1981 & 1982		
	1979	1978	Increase (Decrease)	1980	1981	Increase (Decrease)	1982	1981	Increase (Decrease)
	(Thousands of Dollars)	(Thousands of Dollars)	(Thousands of Dollars)	(Thousands of Dollars)	(Thousands of Dollars)	(Thousands of Dollars)	(Thousands of Dollars)	(Thousands of Dollars)	(Thousands of Dollars)
1. CAPITAL EXPENDITURES									
Rapid Transit	29 182	38 313	(9 131)	18 966	18 966	(16 031)	44 874	18 966	25 908
Other Capital Projects	19 806	25 905	(6 099)	41 695	16 948	24 747	43 043	41 695	1 348
Total Capital Expenditures	48 988	64 218	(15 230)	60 661	51 945	8 716	87 917	60 661	27 256
2. ITEMIZED CAPITAL EXPENDITURES									
	1979			1981			1982		
RAPID TRANSIT 1979 (\$000's)									
Bloor-Danforth									
Kennedy and Kipling Extensions	\$17 494								
Scarborough L.R.T. Line	2 956								
Subway Cars	2 087								
Spadina Subway Extension	2 069								
Union Station - Mezzanine	1 324								
Expansion									
Additional and Replacement									
Escalators	1 129								
Other	2 123								
	\$29 182								
OTHER CAPITAL PROJECTS, 1979 (\$000's)									
Light Rail Vehicles									
(progress payments)	\$12 622								
Buses	4 078								
Surface Track	1 524								
Other	1 582								
	\$19 806								
RAPID TRANSIT, 1981 (\$000's)									
Scarborough RT									
Bloor-Danforth									
Kennedy and Kipling									
Extension									
Subway Station Modernization Program									
Union Station Mezzanine									
Expansion									
Other									
	8 584								
OTHER CAPITAL PROJECTS, 1981 (\$000's)									
198 Buses									
Light Rail Vehicles									
(progress payments)									
Surface Track									
Communications & Information Systems									
Other									
	24 146								
RAPID TRANSIT, 1982 (\$000's)									
Scarborough RT									
Subway Station Modernization Program									
Yorkdale Commuter									
Parking facility									
Other									
	26 354								
OTHER CAPITAL PROJECTS, 1982 (\$000's)									
201 Buses									
Malvern Bus Garage									
Surface Track									
Communications and Information Systems									
Other									
	6 106								
OTHER CAPITAL PROJECTS, 1982 (\$000's)									
201 Buses									
Malvern Bus Garage									
Surface Track									
Communications and Information Systems									
Other									
	6 106								

SOURCE: 1. ANNUAL REPORT TO THE MUNICIPALITY OF METROPOLITAN TORONTO 1979, Toronto Transit Commission.
2. ANNUAL REPORT FOR THE YEAR 1981, Toronto Transit Commission.
3. TORONTO TRANSIT COMMISSION ANNUAL REPORT 1982, Toronto Transit Commission.

Figure TF 3 – Capital Expenditures – Toronto Transit Commission, for the Years 1978–1982



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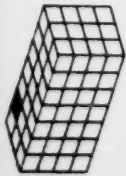
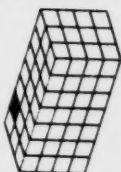


Table TF 4 - Operations - Toronto Transit Commission, for the Years 1978-1982

	1979		1978		Increase (Decrease)		%		1981		1980		Increase (Decrease)		%		1982		1981		Increase (Decrease)		%	
OPERATING RESULTS																								
Revenue (\$ Millions)	165.9		146.0		19.9		13.6		215.0		183.6		31.6		17.1		240.9		215.0		25.9		12.0	
Operating Subsidy (\$ Millions)	45.7		50.4		(4.7)		(9.3)		69.4		53.2		16.2		30.5		92.9		69.4		23.5		33.9	
Expenses (\$ Millions)	211.6		196.4		15.2		7.7		284.4		236.8		47.6		20.1		333.8		284.4		494.4		17.4	
PASSENGERS (Millions)																								
Revenue per Passenger	346.2		337.6		8.6		2.5		392.0		366.4		25.6		7.0		401.2		392.0		9.2		2.3	
Operating Subsidy per Passenger	47.9¢		43.3¢		4.6¢		10.6		54.9¢		50.1¢		4.8¢		9.6		60.0¢		54.9¢		5.1¢		9.3	
Expenses per Passenger	13.2¢		14.9¢		(1.7¢)		(11.4)		17.7¢		14.5¢		3.2¢		22.1		23.2¢		17.7¢		5.5¢		31.1	
	61.1¢		58.2¢		2.9¢		5.0		72.6¢		64.6¢		8.0¢		12.4		83.2¢		72.6¢		10.6¢		14.6	
MILES (Millions)																								
Revenue per Mile	99.0		98.7		0.3		0.3		107.9		101.4		6.5		6.4		113.4		107.9		5.5		5.1	
Operating Subsidy per Mile	167.5¢		147.9¢		19.6¢		13.3		199.3¢		181.1¢		18.2¢		10.0		212.4¢		199.3¢		13.1¢		6.6	
Expenses per Mile	46.2¢		51.1¢		(4.9¢)		(9.6)		64.3¢		52.4¢		11.9¢		22.7		81.9¢		64.3¢		17.6¢		27.4	
	213.7		199.0¢		14.7¢		7.4		263.6¢		233.5¢		30.1¢		12.9		294.3¢		263.6¢		30.7¢		11.6	
CAPITAL EXPENDITURES																								
Rapid Transit (\$ Millions)	29.2		38.3		(9.1)		(23.8)		19.0		35.0		(16.0)		(45.7)		44.9		19.0		25.9		136.3	
Other Capital Projects (\$ Millions)	19.8		25.9		(6.1)		(23.6)		41.7		16.9		24.8		146.7		43.0		41.7		1.3		3.1	
TOTAL (\$ Millions)	49.0		64.2		(15.2)		(23.7)		60.7		51.9		8.8		17.0		87.9		60.7		27.2		44.8	

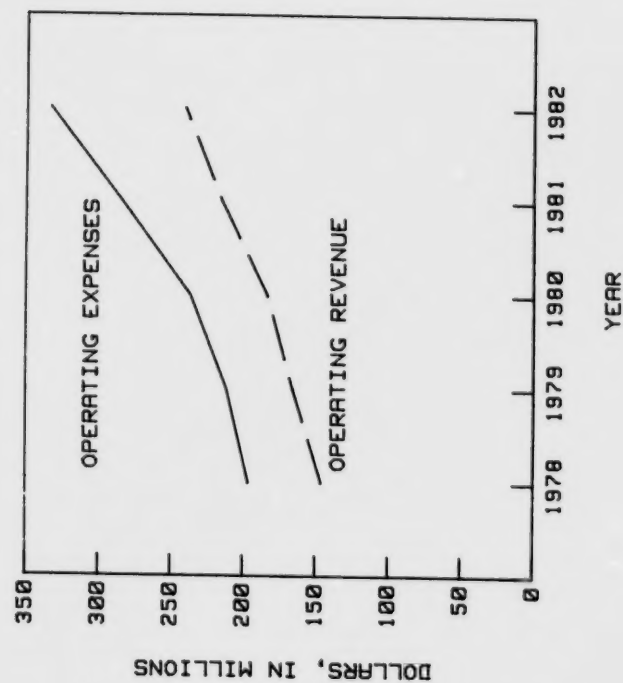
SOURCE: ANNUAL REPORT TO THE MUNICIPALITY OF METROPOLITAN TORONTO 1979, Toronto Transit Commission.

SOURCE: ANNUAL REPORT FOR THE YEAR 1981, SOURCE: TORONTO TRANSIT COMMISSION ANNUAL REPORT 1982, Toronto Transit Commission.



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Figure TF 4 - Operations - Toronto Transit Commission, for the Years 1978-1982



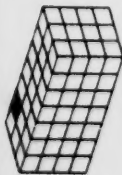


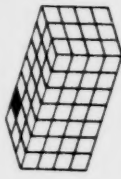
Table TF 5 - Financial and Operating Statistics, Yearly Summary, 1970-1982, Toronto Transit Commission

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	\$ Increase (Decrease) 1973-1982
PASSENGERS/OPERATING REVENUE														
Passengers (Millions)	276.5	281.5	293.0	329.0	379.8	357.6	350.6	348.7	337.6	346.2	366.4	392.0	401.2	21.9
Basic Adult Fare Let	25.04	25.04	25.04	25.04	25.04	33.34	40.04	40.04	42.94	50.04	50.04	57.14	62.54	150.0
December 311	81.7	83.6	86.7	85.3	94.3	107.9	137.7	146.0	165.9	183.6	215.0	240.9	182.4	98.4
Total Operating Revenue	114.94	113.94	116.14	106.54	101.04	114.44	138.34	145.94	147.94	167.54	191.14	199.34	212.44	98.4
(Millions of Dollars)	29.54	29.74	29.64	25.94	25.64	30.24	37.94	39.54	43.24	47.94	50.14	54.94	60.04	131.7
Operating Revenue per														
Mile														
Passenger														
OPERATIONS/EXPENDITURES														
Miles Operated, Including														
Charters and Special Services (Millions)	33.8	35.5	39.4	40.5	46.0	47.5	46.9	46.9	46.9	48.1	49.3	52.1	56.8	44.2
Motor Bus	22.7	22.8	23.0	20.9	28.7	34.6	33.8	33.8	38.2	37.7	39.6	42.6	43.2	64.9
Subway Car	11.4	11.0	10.8	10.9	9.9	10.5	10.5	10.5	9.1	9.4	9.4	9.3	9.4	(13.8)
Streetcar	4.1	4.0	4.0	3.6	3.4	3.7	3.9	4.2	4.2	4.1	4.1	3.9	4.0	11.1
Trolley Bus	72.0	73.7	78.7	80.1	83.5	94.3	95.1	94.4	98.7	99.0	101.4	107.9	113.4	41.6
Average Number of Employees (Including														
Grey Coach Lines	6,535	6,815	7,042	7,330	7,565	8,047	8,473	8,525	8,632	8,703	8,699	8,906	9,314	27.1
100% Hourly Wages &														
Benefits per Driver	\$4.71	\$5.16	\$5.79	\$6.07	\$7.52	\$8.15	\$8.86	\$9.62	\$10.27	\$10.81	\$11.67	\$14.13	\$15.49	155.2
Total Expenses (Millions)	79.8	86.5	92.8	103.2	118.5	146.0	167.7	180.0	196.4	211.6	236.8	284.4	333.8	223.4
Expense per Mile	112.24	117.04	124.24	128.84	141.94	154.94	174.54	180.74	199.04	213.74	233.54	263.04	294.34	128.5
Expense per Passenger	28.94	30.74	31.74	31.44	35.94	40.94	47.94	51.94	58.24	61.14	64.94	72.04	83.24	165.0
OPERATING SUBSIDY														
Operating Subsidy (Surplus)	(1.9)	2.9	6.2	17.9	34.2	38.2	35.6	42.3	50.4	45.7	53.2	69.4	92.9	
(Millions of Dollars)	(2.74)	4.04	8.34	22.34	41.04	40.54	37.04	44.94	51.14	46.24	52.44	64.34	81.94	
per Mile														
Operating Subsidy (Surplus)	(0.74)	1.04	2.14	5.44	10.44	10.74	10.24	12.14	14.94	13.24	14.54	17.74	23.24	
per Passenger														
CAPITAL ASSETS														
Investment in Capital Assets (before depreciation and contributions) at Dec. 31 (Millions of Dollars)	345.5	372.6	407.1	436.6	453.1	523.1	611.7	726.8	786.8	827.3	836.3	841.6	885.4	102.8
Surface	82.4	85.1	88.8	93.9	107.1	117.1	124.6	125.0	126.6	134.5	174.0	225.5	282.0	179.0
Subway Cars	82.4	85.1	88.8	93.9	107.1	117.1	124.6	125.0	126.6	134.5	174.0	225.5	282.0	179.0
Trolley Cars	232.8	260.6	291.9	320.4	349.1	406.8	522.9	637.6	701.0	748.2	796.4	849.3	927.2	189.4
TTC Investment (before	193.6	202.3	208.0	210.1	211.1	213.4	213.4	214.2	212.4	213.6	213.9	217.8	220.2	4.8
Depreciation)	963	963	1,006	1,097	1,165	1,218	1,219	1,235	1,219	1,231	1,262	1,403	1,556	41.8
Vehicle Fleet	334	334	410	410	416	498	494	534	590	618	632	632	632	54.1
Buses	152	152	152	151	151	151	151	151	151	151	151	151	151	(10.1)
Subway Cars	437	422	418	393	399	398	354	344	342	342	311	258	178	(194.7)
Trolley Cars	1,006	1,007	1,006	7,057	7,171	7,255	7,272	7,274	7,304	7,339	7,385	7,473	7,713	32.2
CLAY'S														

SOURCE: 1. ANNUAL REPORT TO THE MUNICIPALITY OF METROPOLITAN TORONTO, 1979, Toronto Transit Commission

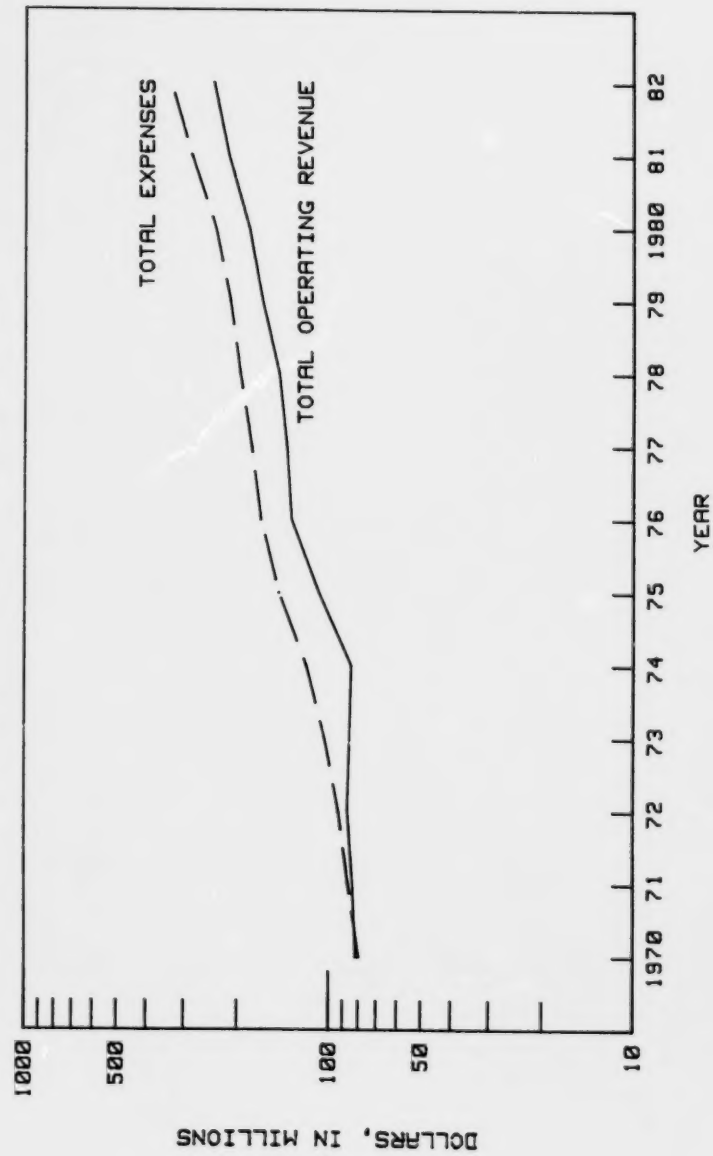
2. ANNUAL REPORT FOR THE YEAR 1981, Toronto Transit Commission

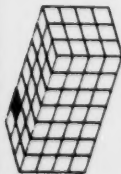
3. TORONTO TRANSIT COMMISSION ANNUAL REPORT 1982, Toronto Transit Commission



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Figure TF 5 - Operating Statistics, Yearly Summary, 1970-1982, Toronto Transit Commission





Transit

Table TF 6 - School Bus Establishments - Classes 1, 2 and 3,* Operating and Income Accounts, 1979-1981

1. Establishments reporting number	1979		1980		1981	
	CANADA	ONTARIO	CANADA	ONTARIO	CANADA	ONTARIO
OPERATING REVENUES						
	567	175	627	189	673	199
	DOLLARS		DOLLARS		DOLLARS	
REGULAR AND EXTRA BUS SERVICE						
2. Intercity	6 491 869	4 090 510	6 563 486	4 266 853	6 759 381	3 477 866
3. Urban and suburban	4 680 524	2 322 064	5 990 278	3 317 160	6 625 265	4 471 185
4. Charter bus service and tours	25 118 850	14 044 093	30 162 867	17 625 827	31 092 081	18 918 794
CONTRACT BUS SERVICE						
5. School bus service	235 995 283	82 405 290	288 407 883	107 057 990	327 051 262	121 376 196
6. Commercial service (e.g., airport)	1 697 158	1 543 991	1 656 125	1 402 486	2 884 981	1 698 387
7. Taxi service	74 812	64 671	102 135	81 849	139 789	91 243
8. Other passenger service	175 158	69 519	1 187 731	1 182 091	4 011 917	2 752 265
9. Other revenues (including subsidies)	563 091	278 920	487 272	216 550	615 864	357 608
10. TOTAL OPERATING REVENUES	274 796 745	104 819 058	334 557 777	135 150 806	379 180 360	153 143 544

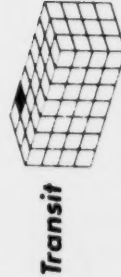


Table TF 6 — School Bus Establishments — Classes 1, 2 and 3,* Operating and Income Accounts, 1979–1981 (Continued)

	1979		1980		1981	
	CANADA	ONTARIO	CANADA	ONTARIO	CANADA	ONTARIO
OPERATING EXPENSES	DOLLARS		DOLLARS		DOLLARS	
TRANSPORTATION EXPENSES						
11. Salaries and wages of drivers and other transportation employees	83 520 172	27 053 347	99 651 129	34 321 865	109 736 223	36 763 688
12. Fuel (including tax)	32 103 190	13 354 111	40 314 931	18 105 317	53 991 327	23 206 374
13. Tires and tubes	4 501 306	1 859 347	5 305 183	2 238 785	7 351 721	2 992 623
14. Other operating supplies	2 329 367	1 513 419	2 292 464	1 420 730	4 504 363	1 861 564
PURCHASED TRANSPORTATION AND REVENUE EQUIPMENT RENTALS						
15. Payments to lessor operators	3 084 985	2 133 660	3 684 074	3 153 886	2 216 772	1 635 349
16. Other purchased transportation	1 225 554	543 800	1 499 741	637 871	3 003 249	1 996 356
17. Equipment rentals	2 110 406	562 024	3 321 598	582 162	3 506 798	1 291 722
18. Depreciation of revenue equipment	27 543 758	12 380 565	32 151 257	14 848 180	35 529 044	16 347 309
19. TOTAL	158 418 738	59 400 273	188 226 377	75 308 796	219 839 497	86 094 985
MAINTENANCE OF REVENUE EQUIPMENT						
20. Salaries and wages of mechanics and maintenance personnel	13 074 112	5 844 706	15 139 337	6 967 673	16 533 476	7 206 678
21. Other maintenance expenses	26 319 809	8 299 899	32 933 743	11 127 961	32 684 774	11 005 640
22. TOTAL	39 393 921	14 144 605	48 073 080	18 095 634	49 218 250	18 212 318
TERMINAL EXPENSES						
23. Salaries and wages of terminal employees	1 126 693	609 240	1 823 215	1 111 369	2 158 140	1 192 060
24. Maintenance of terminal buildings	661 045	300 096	548 621	167 412	918 385	274 600
25. Depreciation of terminal buildings	367 303	224 605	136 413	42 952	171 309	59 676
26. Other terminal expenses (rents and commission paid)	2 020 664	740 401	2 413 475	879 355	3 242 990	1 177 795
27. TOTAL	4 175 705	1 874 342	4 921 724	2 201 088	6 490 824	2 704 131

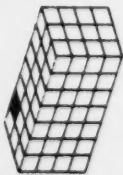


Table TF 6 - School Bus Establishments - Classes 1, 2 and 3,* Operating and Income Accounts, 1979-1981 (Continued)

	1979		1980		1981	
	CANADA	ONTARIO	CANADA	ONTARIO	CANADA	ONTARIO
	DOLLARS		DOLLARS		DOLLARS	
ADMINISTRATIVE AND GENERAL EXPENSES						
28. Salaries and wages	16 699 613	5 452 717	20 901 846	7 149 197	22 319 858	8 057 547
29. Insurance, claims and safety	7 134 206	2 938 590	7 161 251	3 158 236	7 374 468	3 439 780
30. Unemployment insurance, pension funds and other employee benefits	8 164 171	2 795 884	9 949 753	3 314 852	15 277 159	5 517 316
31. Depreciation of buildings and equipment	1 807 227	618 222	2 574 235	1 244 156	2 141 543	1 010 067
32. Other general expenses	18 955 050	6 762 682	25 734 274	9 891 466	26 278 893	9 677 854
33. TOTAL	52 760 267	18 568 095	66 321 359	24 757 907	73 491 921	27 702 564
34. GRAND TOTAL OPERATING EXPENSES	252 748 631	93 987 315	307 542 540	120 363 425	349 040 492	134 713 998
INCOME ACCOUNT						
35. NET MOTOR CARRIER PASSENGER OPERATING REVENUE	22 048 114	10 831 743	27 015 237	14 787 381	30 139 868	18 429 546

NOTE:* School bus establishments - passenger bus establishments whose major activity is school bus service.

Classes of Establishments

Class 1 - Establishments which earned gross annual operating revenues of \$2 million or more in 1978, 1979 and in 1980.

Class 2 - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1978, 1979 and in 1980.

Class 3 - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1978, 1979 and in 1980.

SOURCE: 1. Passenger Bus and Urban Transit Statistics, 1979.

Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface Transport Section, Ottawa, Ontario, March 1981, p. 40.

2. Passenger Bus and Urban Transit Statistics, 1980, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, March 1982, p. 40.

3. Passenger Bus and Urban Transit Statistics, 1981, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario September 1983, p.48.

Figure TF 6 - School Bus Establishments - Classes 1, 2 and 3, Operating and Income Accounts, 1979-1981

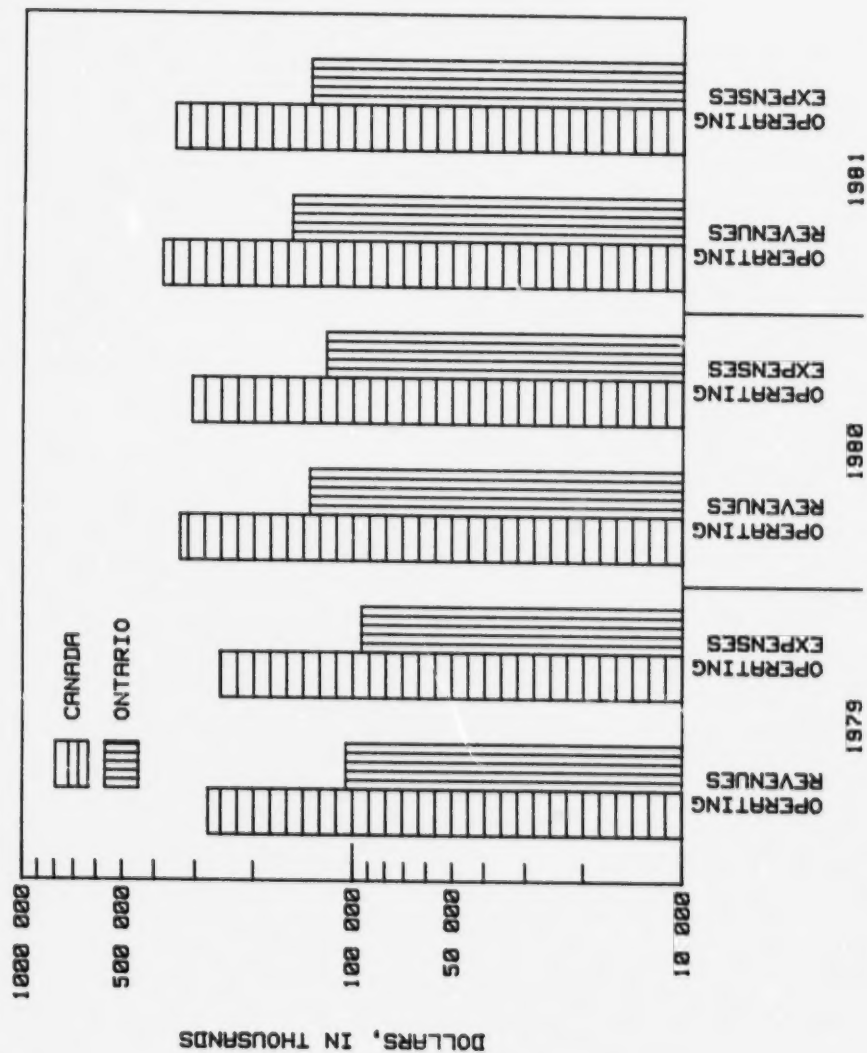


Table TF 7 - School Bus Establishments - Class 4,* Operating and Income Accounts, 1979-1981

	1979		1980		1981	
	CANADA	ONTARIO	CANADA	ONTARIO	CANADA	ONTARIO
Establishments Reporting	876	237	845	229	766	228
	DOLLARS					
OPERATING REVENUE						
1. Urban and suburban service	50 972	5 000	86 512	41 200	21 450	17 600
2. Inter-city service	125 545	15 420	142 044	20 454	69 518	15 907
3. Charter bus service	573 494	129 072	463 786	49 496	435 021	106 074
4. School bus service	42 921 173	11 218 472	43 821 910	10 921 822	41 298 205	11 453 936
5. Commercial service	9 985	-	9 883	--	33 737	28 892
6. Taxi service	95 019	25 312	60 965	8 013	24 488	2 569
7. Other passenger service	25 269	-	--	--	52 306	20 473
8. Other operating revenues (including subsidies)	46 790	9 728	74 113	21 746	143 865	24 977
OPERATING REVENUES - TOTAL	43 848 247	11 403 004	44 659 213	11 062 731	42 078 590	11 670 428
OPERATING EXPENSES						
9. Total salaries and wages	12 423 363	2 336 141	12 401 690	2 309 435	11 559 643	2 288 991
10. Unemployment insurance, pension funds and other employee benefits	768 896	132 724	902 139	135 416	913 685	163 757
11. Fuel including tax	6 204 194	1 859 921	6 524 438	1 890 378	7 463 493	2 318 772
12. Other operating expenses	15 519 726	3 779 642	15 480 425	3 513 794	13 569 216	3 511 102
OPERATING EXPENSES - TOTAL	34 916 179	8 108 428	35 308 692	7 849 029	33 506 037	8 282 622
INCOME ACCOUNT						
NET MOTOR CARRIER PASSENGER OPERATING REVENUE	8 932 068	3 294 576	9 350 521	3 213 708	8 572 553	3 387 806

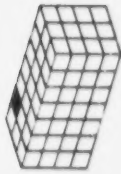
NOTE: School bus establishments - passenger bus establishments whose major activity is school bus service.

*Class 4 - Establishments which earned gross annual operating revenues less than \$100 000 in 1978, 1979 and in 1980.

SOURCE: 1. Passenger Bus and Urban Transit Statistics, 1979. Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface Transport Section, Ottawa, March 1981, p. 48.

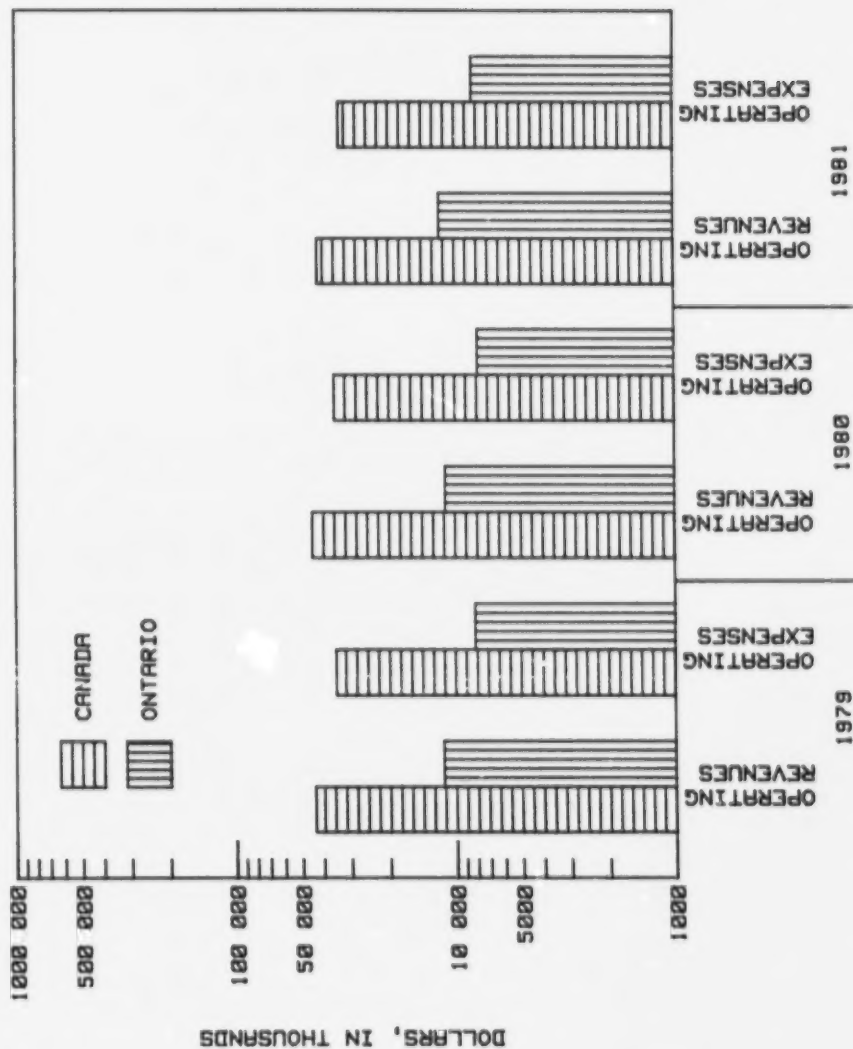
2. Passenger Bus and Urban Transit Statistics, 1980. Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Transport Section, Ottawa, March 1982, p. 48.

3. Passenger Bus and Urban Transit Statistics, 1981. Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Transport Section, Ottawa, March 1983, p. 56.



Transit

Figure TF 7 - School Bus Establishments - Class 4, Operating and Income Accounts, 1979-1981



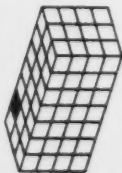


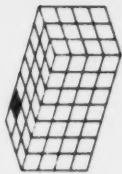
Table TF 8 - School Bus Establishments - Class 0,* Operating and Income Accounts, 1979-1981

Establishments Reporting - number	1979			1980			1981		
	CANADA	ONTARIO	CANADA	ONTARIO	CANADA	ONTARIO	CANADA	ONTARIO	CANADA
	113	27	82	24	86	24			
DOLLARS									
OPERATING REVENUE									
1. Urban and suburban service	8 084	-	143 518	--	2 195	2 195			
2. Inter-city service	234 800	234 800	87 265	--	27 136	27 136			
3. Charter bus service	204 426	94 771	243 179	100 028	81 243	200			
4. School bus service	10 736 871	1 884 145	7 515 525	2 397 386	6 936 671	2 080 639			
5. Commercial service	-	-	78 980	--	--	--			
6. Taxi service	2 891	2 891	52 988	--	6 250	6 250			
7. Other passenger service	-	-	18 612	18 612	4 718	4 718			
8. Other operating revenues (including subsidies)	11 821	-	32 230	6 937	5 916	5 443			
OPERATING REVENUES - TOTAL	11 258 893	2 216 607	8 172 297	2 522 963	7 064 129	2 126 581			
OPERATING EXPENSES									
9. Total salaries and wages	3 860 960	634 8441	2 396 906	735 242	2 371 205	631 331			
10. Unemployment insurance, pension funds and other employee benefits	257 497	28 723	151 160	35 313	197 441	41 263			
11. Fuel (including tax)	1 345 756	315 862	1 125 731	393 691	1 245 637	368 155			
12. Other operating expenses	4 047 729	621 141	3 563 688	1 090 733	2 187 617	521 545			
OPERATING EXPENSES - TOTAL	9 511 942	1 600 570	7 237 485	2 254 979	6 001 900	1 562 294			
INCOME ACCOUNT									
NET MOTOR CARRIER PASSENGER OPERATING REVENUE	1 746 951	616 037	934 812	267 984	1 06279	564 287			

NOTE : School bus establishments - passenger bus establishments whose major activity is school bus service.

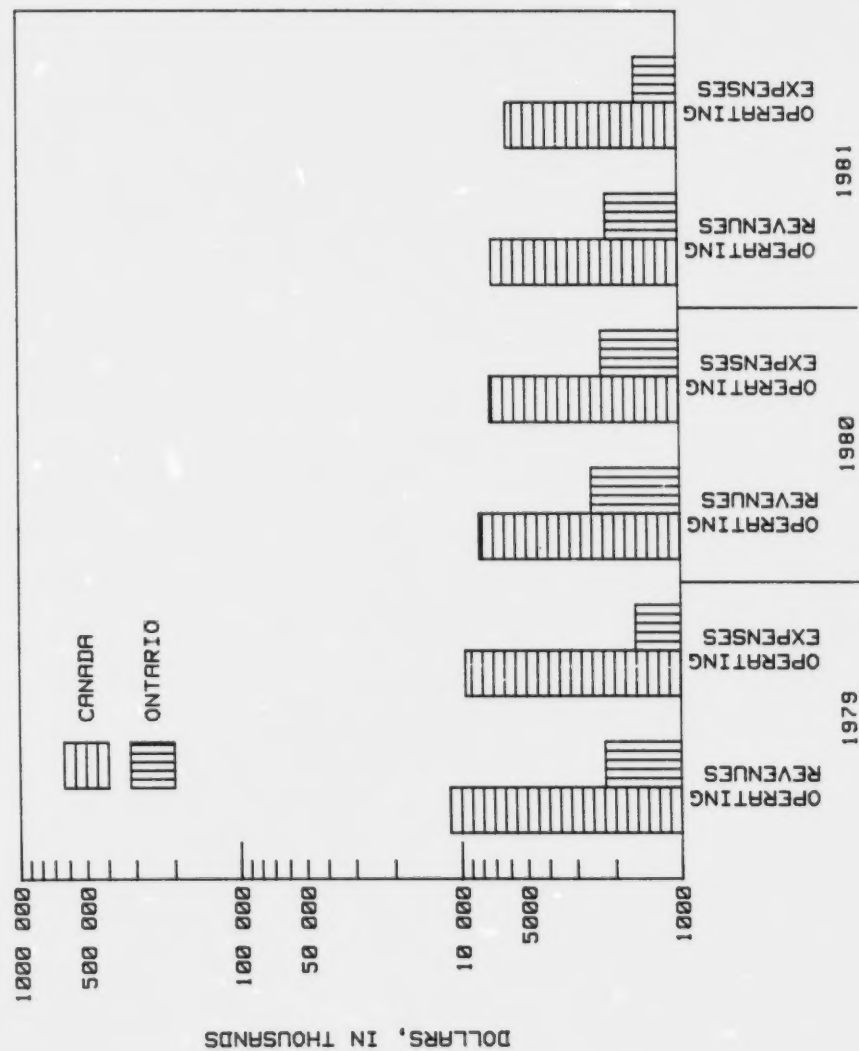
*Class 0 - Establishments which were added to the survey universe for the first time in 1979.

SOURCE: 1. Passenger Bus and Urban Transit Statistics, 1979, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface Transport Section, Ottawa, Ontario, March 1981, p. 50.
2. Passenger Bus and Urban Transit Statistics, 1980, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, March 1982, p. 50.
3. Passenger Bus and Urban Transit Statistics, 1981, Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Sections, Ottawa, Ontario, September 1983, p. 59.



Transit

Figure TF 8 - School Bus Establishments - Class 0, Operating and Income Accounts, 1979-1981



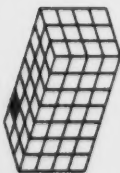
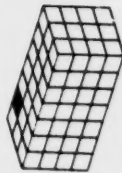


Table TF 9 — Operating and Income Accounts, Passenger Bus and Urban Transit, Other Passenger Bus Establishments, Classes 1, 2 and 3* (Excluding School Bus Operators), 1979–1981

	1979		1980		1981	
	CANADA 79	ONTARIO 17	CANADA 90	ONTARIO 23	CANADA 92	ONTARIO 23
1. Establishments reporting - number						
OPERATING REVENUES						
REGULAR AND EXTRA BUS SERVICE						
2. Intercity	2 770 538	335 641	4 984 570	1 981 463	2 247 651	1 678 498
3. Urban and suburban	753 607	34 359	1 957 115	1 242 143	6 841 533	2 154 436
4. Charter bus service and tours	41 929 245	10 277 140	47 532 362	13 827 253	63 219 831	16 452 817
CONTRACT BUS SERVICE						
5. School bus service	5 836 708	1 926 948	13 982 781	7 974 263	15 756 296	9 887 281
6. Commercial service (e.g. airport)	22 484 127	3 339 475	28 160 120	4 879 695	33 725 871	6 553 930
7. Taxi service	65 000	25 000	188 863	113 863	315 264	85 264
8. Other passenger service	121 542	121 542	4 000	--	29 208	--
9. Other revenues (including subsidies)	227 624	42 976	585 617	194 831	775 129	209 413
10. TOTAL OPERATING REVENUES	74 188 391	16 103 081	97 395 428	30 213 511	122 910 783	37 021 639

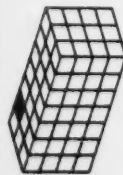


Transit

Table TF 9 — Operating and Income Accounts, Passenger Bus and Urban Transit, Other Passenger Bus Establishments — Classes 1, 2 and 3* (Excluding School Bus Operators), 1979—1981, (Continued)

	1979		1980		1981	
	CANADA	ONTARIO	CANADA	ONTARIO	CANADA	ONTARIO
OPERATING EXPENSES						
TRANSPORTATION EXPENSES						
11. Salaries and wages of drivers and other transportation employees	20 784 134	4 216 233	26 591 343	8 274 110	31 913 840	9 264 994
12. Fuel (including tax)	7 262 218	1 980 155	10 301 946	3 982 885	14 531 709	5 399 966
13. Tires and tubes	1 056 703	2 78 986	1 539 526	438 821	2 278 1431	687 440
14. Other operating supplies	460 083	236 671	756 200	40 958	3 505 616	2 031 379
PURCHASES TRANSPORTATION, AND REVENUE EQUIPMENT RENTALS						
15. Payments to lessor operators	1 469 885	310 249	2 413 847	569 650	2 766 630	508 087
16. Other purchased transportation	156 967	64 571	358 594	106 938	427 540	53 579
17. Equipment rentals	1 876 439	138 435	1 428 145	234 067	2 857 116	689 186
18. Depreciation of revenue equipment	5 848 453	1 664 999	7 719 144	2 372 961	8 992 300	2 663 237
19. TOTAL	11 097 261	2 295 966	51 108 745	16 020 390	67 273 182	21 297 868
MAINTENANCE OF REVENUE EQUIPMENT						
20. Salaries and wages of mechanics and maintenance personnel	4 273 010	813 166	5 181 148	1 601 617	6 345 409	2 056 053
21. Other maintenance expenses	6 824 251	1 482 800	10 659 653	3 847 044	11 885 339	3 605 687
22. TOTAL	38 914 883	8 890 299	15 840 801	5 448 661	18 230 748	5 661 740
TERMINAL EXPENSES						
23. Salaries and wages of terminal employees	1 242 362	206 636	1 586 821	401 984	2 076 821	678 919
24. Maintenance of terminal buildings	147 960	52 502	166 047	55 840	293 915	138 528
25. Depreciation of terminal buildings	91 600	50 804	82 583	11 275	58 298	8 864
26. Other terminal expenses (rents and commission paid)	1 290 435	213 602	2 139 806	446 562	2 964 676	839 068
27. TOTAL	2 772 356	523 544	3 975 257	915 661	5 393 710	1 665 433





Transit

Table TF 9 - Operating and Income Accounts, Passenger Bus and Urban Transit, Other Passenger Bus Establishments - Classes 1, 2 and 3* (Excluding School Bus Operators), 1979-1981, (Continued)

	1979		1980		1981	
	CANADA	ONTARIO	CANADA	ONTARIO	CANADA	ONTARIO
ADMINISTRATIVE AND GENERAL EXPENSES:						
28. Salaries and wages	3 894 387	704 846	5 101 623	1 136 503	6 038 635	1 413 765
29. Insurance, claims and safety	2 349 323	504 876	2 045 987	741 393	2 641 908	939 526
30. Unemployment insurance, pension funds and other employee benefits	2 170 258	502 988	2 849 295	834 554	5 804 653	1 352 853
31. Depreciation of buildings and equipment	726 985	146 051	781 391	207 668	494 243	183 858
32. Other general expenses	9 101 656	2 547 237	10 639 237	3 932 690	11 471 107	3 394 008
33. TOTAL	18 232 609	4 405 998	21 417 533	6 852 808	26 450 606	7 284 010
34. GRAND TOTAL OPERATING EXPENSES	71 017 109	16 115 807	92 342 336	29 237 520	117 348 246	35 909 051
INCOME ACCOUNT:						
35. NET MOTOR CARRIER PASSENGER OPERATING REVENUE	3 171 282	(12 726)	5 053 092	975 991	5 562 537	1 112 588

NOTE: *Classes of Establishments

Class 1 - Establishments which earned gross annual operating revenues of \$2 million or more in 1978, 1979 and in 1980.

Class 2 - Establishments which earned gross annual operating revenues from \$500 000 to \$1 999 999 in 1978, 1979 and in 1980.

Class 3 - Establishments which earned gross annual operating revenues from \$100 000 to \$499 999 in 1978, 1979 and in 1980.

SOURCE: 1. Passenger Bus and Urban Transit Statistics, 1979. Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface Transport Section, Ottawa, Ontario, March 1981, p. 52.

2. Passenger Bus and Urban Transit Statistics, 1980. Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, March 1982, p. 52.

3. Passenger Bus and Urban Transit Statistics, 1981. Catalogue 53-215 Annual, Statistics Canada, Transportation and Communications Division, Surface and Marine Transport Section, Ottawa, Ontario, September 1983, p. 62.

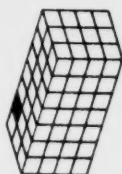
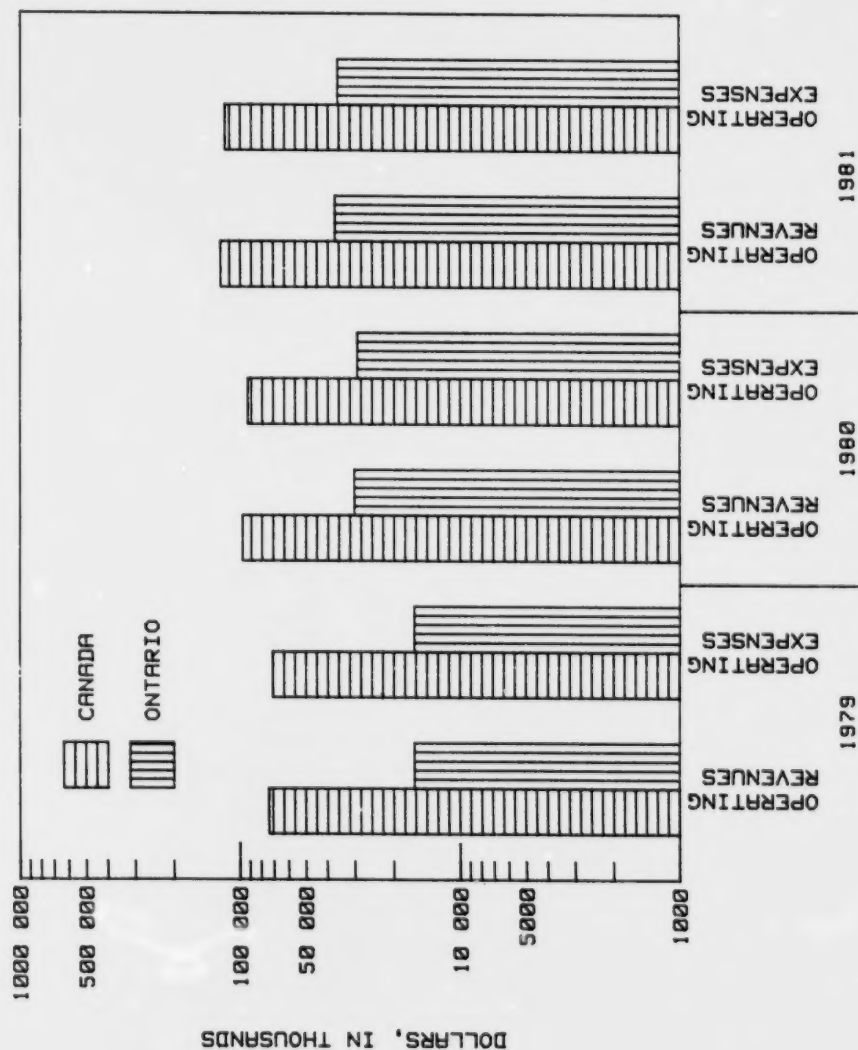


Figure TF 9 - Operating and Income Accounts, Passenger Bus and Urban Transit, Other Passenger Bus Establishments, Classes 1, 2 and 3 (Excluding School Bus Operators), 1979-1981



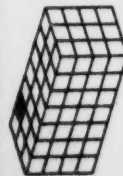


Table TF 10 - Municipal Revenue Fund Spending per Household on Transit in Ontario, in Dollars, 1975, 1977, 1978 and 1981

	1975	1977	1978	1980	1981
Metro Toronto	258	305	323	361	423
Regions	72	71	78	99	120
Cities South	50	62	67	80	85
Cities North	65	83	95	125	132
Rural South	1	1	1	2	2
Rural North	1	2	2	3	3
PROVINCE	102	114	122	141	167

NOTE:

Classification by Types of Municipality:

1. Metro-Toronto

Metropolitan Toronto and its six constituent municipalities.

2. Regional Governments

All upper tier and lower tier municipalities in:

Regions of Durham, Halldmand-Norfolk, Halton, Hamilton-

Wentworth, Niagara, Ottawa-Carleton, Peel, Sudbury,

Waterloo and York.

District of Muskoka.

Restructured County of Oxford.

3. Cities

All cities outside restructured two tier areas:

Barrie, Belleville, Brantford, Brockville, Chatham,

Cornwall, Guelph, Kingston, London, North Bay, Orillia,

Owen Sound, Pembroke, Peterborough, Sarnia. Sault

Ste. Marie, Stratford, St. Thomas, Thunder Bay, Timmins

and Windsor.

4. Rural South

Separated towns, all counties (except Oxford), and all

municipalities which support these counties.

5. Rural North

All municipalities in northern Ontario except municipal-

ities in categories 2 and 3 above.

SOURCE:

1. LOCAL GOVERNMENT FINANCE IN ONTARIO 1978, Municipal Finance Branch, Ministry of Treasury and Economics, Queen's Park, Toronto, Ontario, p. 120, Table B2-8.

2. L.J. Close, Director; Municipal Finance Branch, Ministry of Municipal Affairs and Housing, August 30, 1983, (1980 and 1981 figures).

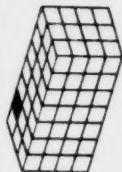
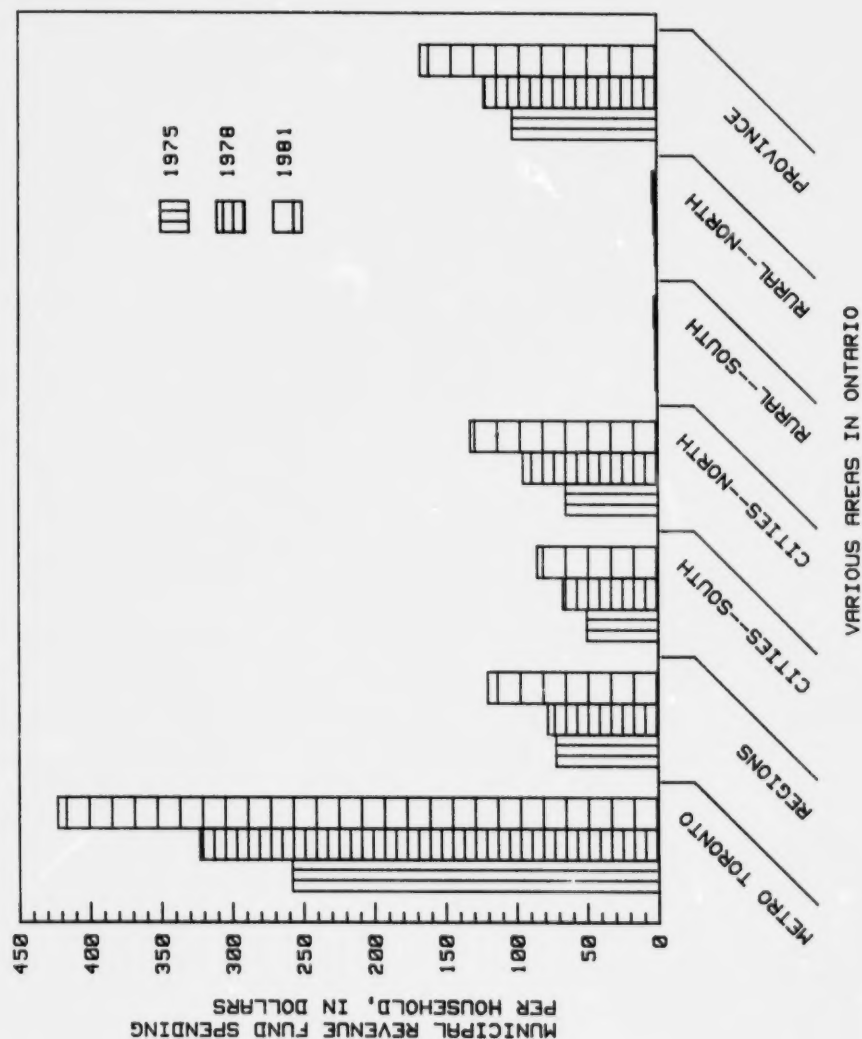


Figure TF 10 — Municipal Revenue Fund Spending per Household on Transit in Ontario, in Dollars, 1975, 1978, and 1981



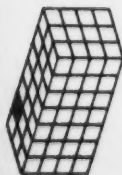


Table TF 11 - Municipal Revenue Fund Revenue per Household, User Fees - Transit, 1975, 1977, 1978, 1980 and 1981

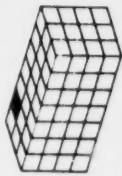
	1975	1977	1978	1980	1981
Metro Toronto	142	196	206	247	288
Regions	33	32	35	43	50
Cities South	28	35	36	43	45
Cities North	22	36	38	48	49
Rural South	0	0	0	0	1
Rural North	0	0	0	0	0
PROVINCE	53	67	71	85	98

NOTE: Classification by Types of Municipality:

1. Metro-Toronto
Metropolitan Toronto and its six constituent municipalities.
2. Regional Governments
All upper tier and lower tier municipalities in:
Regions of Durham, Halidmand-Norfolk, Halton, Hamilton-Wentworth, Niagara, Ottawa-Carleton, Peel, Sudbury, Waterloo and York.
District of Muskoka.
Restructured County of Oxford.
3. Cities
All cities outside restructured two tier areas:
Barrie, Belleville, Brantford, Brockville, Chatham, Cornwall, Guelph, Kingston, London, North Bay, Orillia, Owen Sound, Pembroke, Peterborough, Sarnia, Sault Ste. Marie, Stratford, St. Thomas, Thunder Bay, Timmins and Windsor.
4. Rural South
Separated towns, all counties (except Oxford), and all municipalities which support these counties.
5. Rural North
All municipalities in northern Ontario except municipalities in categories 2 and 3 above.

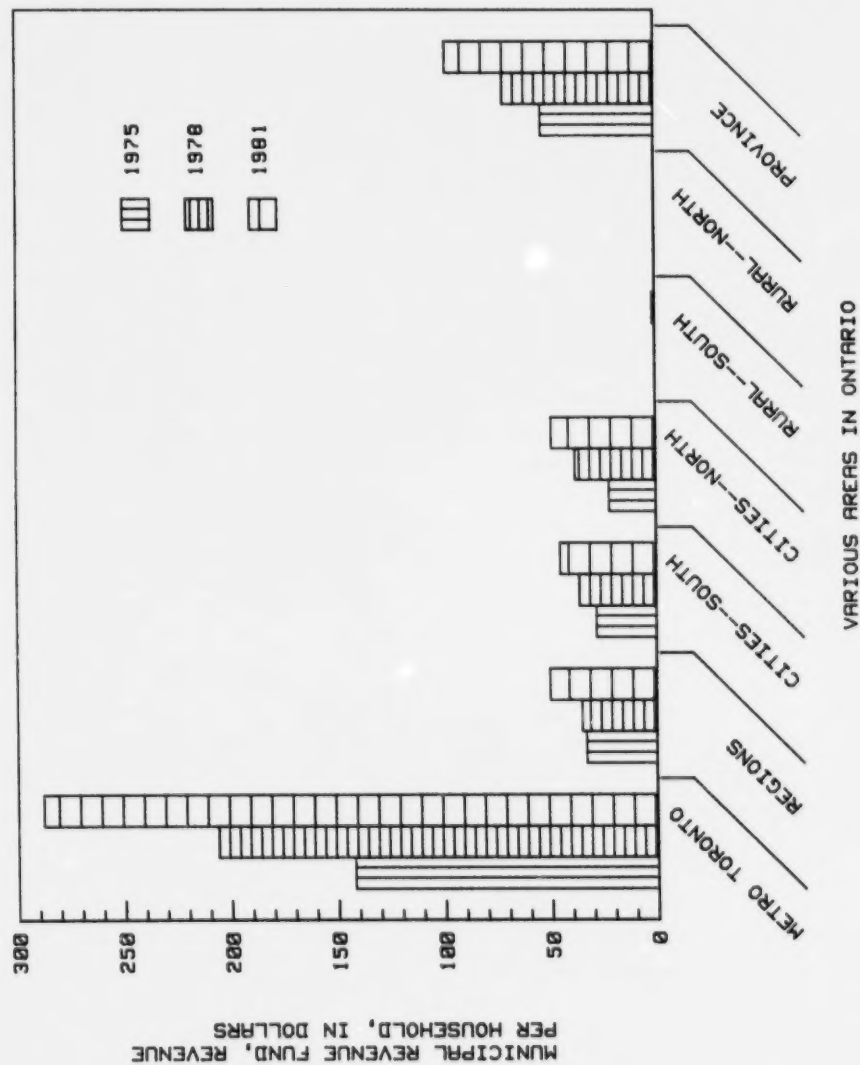
SOURCE:

1. LOCAL GOVERNMENT FINANCE IN ONTARIO 1978, Municipal Finance Branch, Ministry of Treasury and Economics, Queen's Park, Toronto, Ontario, p. 126, Table 82-36.
2. L.J. Close, Director, Municipal Finance Branch, Ministry of Municipal Affairs and Housing, August 30, 1983, (1980 and 1981 figures).



Transit

Figure TF 11 — Municipal Revenue Fund Revenue per Household, User Fees — Transit, 1975, 1978 and 1981



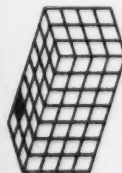


Table TF 12 - Municipal Capital Fund Spending per Household on Transit in Ontario, in Dollars, 1975, 1977, 1978, 1980 and 1981

	1975	1977	1978	1980	1981
Metro Toronto	122	135	79	61	84
Regions	17	15	15	11	18
Cities South	15	11	13	11	5
Cities North	20	20	9	15	5
Rural South	1	0	0	0	0
Rural North	1	1	1	0	0
PROVINCE	11	42	27	21	28

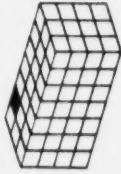
NOTE:

Classification by Types of Municipality:

1. Metro-Toronto
Metropolitan Toronto and its six constituent municipalities.
2. Regional Governments
All upper tier and lower tier municipalities in:
Regions of Durham, Halidmand-Norfolk, Halton, Hamilton-Wentworth, Niagara, Ottawa-Carleton, Peel, Sudbury, Waterloo and York.
District of Muskoka.
Restructured County of Oxford.
3. Cities
All cities outside restructured two tier areas:
Barrie, Belleville, Brantford, Brockville, Chatham, Cornwall, Guelph, Kingston, London, North Bay, Orillia, Owen Sound, Pembroke, Peterborough, Sarnia, Sault Ste. Marie, Stratford, St. Thomas, Thunder Bay, Timmins and Windsor.
4. Rural South
Separated towns, all counties (except Oxford), and all municipalities which support these counties.
5. Rural North
All municipalities in northern Ontario except municipalities in categories 2 and 3 above.

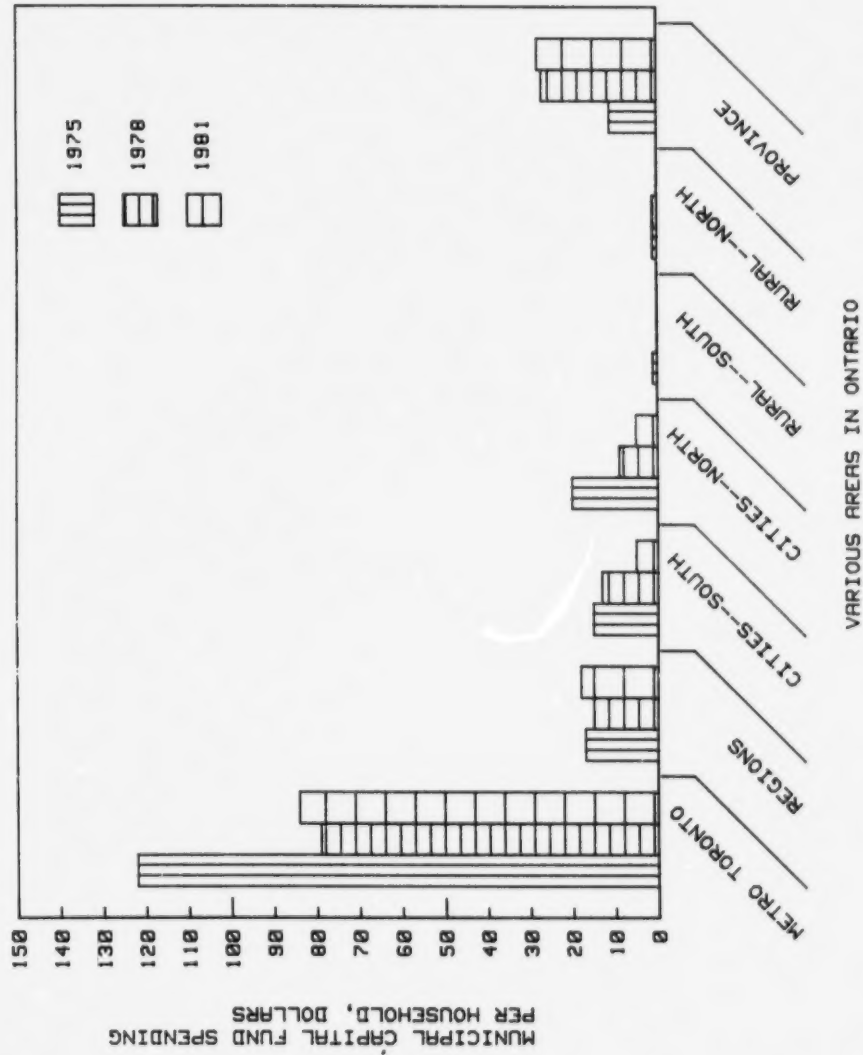
SOURCE:

1. LOCAL GOVERNMENT FINANCE IN ONTARIO 1978, Municipal Finance Branch, Ministry of Treasury and Economics, Queen's Park, Toronto, Ontario, p. 128, Table B3-4
2. L.J. Close, Director, Municipal Finance Branch, Ministry of Municipal Affairs and Housing, August 30, 1983, (1980 and 1981 figures).



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Figure TF 12 — Municipal Capital Fund Spending per Household on Transit in Ontario, 1975, 1978 and 1981



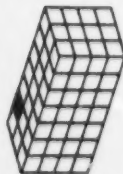


Table TF 13 — Ontario Municipal Net Long-Term Debt Outstanding per Household on Transit, in Dollars, 1975, 1977, 1978, 1980 and 1981

	1975	1977	1978	1980	1981
Metro Toronto	176	166	151	122	109
Regions	14	18	17	17	15
Cities South	5	6	6	5	4
Cities North	7	11	11	14	10
Rural South	0	0	2	0	0
Rural North	1	0	0	0	0
PROVINCE	52	50	46	38	33

NOTE:

Classification by Types of Municipality:

1. Metro-Toronto
Metropolitan Toronto and its six constituent municipalities.

2. Regional Governments

All upper tier and lower tier municipalities in:
Regions of Durham, Halldmand-Norfolk, Halton, Hamilton-Wentworth, Niagara, Ottawa-Carleton, Peel, Sudbury, Waterloo and York.
District of Muskoka.

Restructured County of Oxford.

3. Cities

All cities outside restructured two tier areas:
Barrie, Belleville, Brantford, Brockville, Chatham, Cornwall, Guelph, Kingston, London, North Bay, Orillia, Owen Sound, Pembroke, Peterborough, Sarnia, Sault Ste. Marie, Stratford, St. Thomas, Thunder Bay, Timmins and Windsor.

4. Rural South

Separated towns, all counties (except Oxford), and all municipalities which support these counties.

5. Rural North

All municipalities in northern Ontario except municipalities in categories 2 and 3 above.

SOURCE:

1. LOCAL GOVERNMENT FINANCE IN ONTARIO 1978, Municipal Finance Branch, Ministry of Treasury and Economics, Queen's Park, Toronto, Ontario, p. 140, Table 87-21.

2. L.J. Close, Director, Municipal Finance Branch, Ministry of Municipal Affairs and Housing, August, 30, 1983, (1980 and 1981 figures).

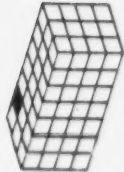


Figure TF 13 — Ontario Municipal Net Long Term Debt Outstanding per Household on Transit, in Dollars, 1975, 1978 and 1981

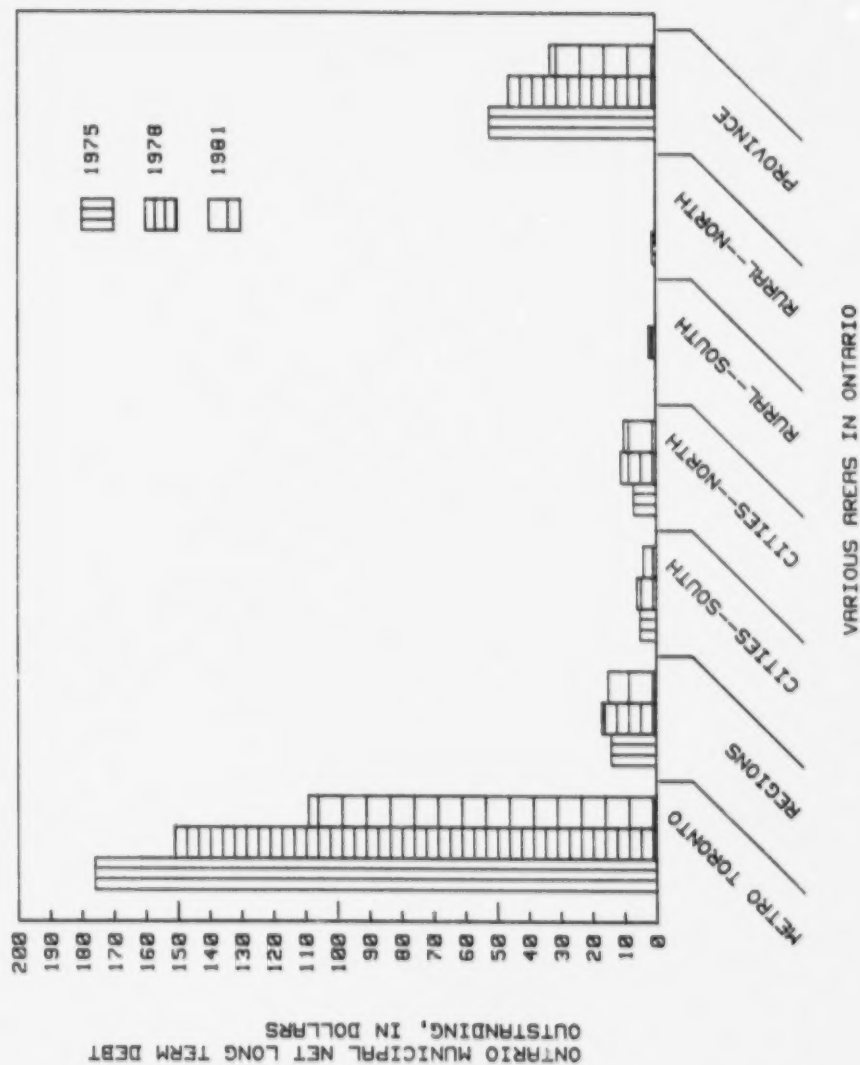


Table TF 14 - Ontario Municipal Debt Charges per Household on Transit, in Dollars, 1975, 1977, 1978 and 1981

	1975	1977	1978	1980	1981
Metro Toronto	20	21	22	21	20
Regions	2	2	3	3	3
Cities South	1	1	1	1	1
Cities North	1	2	2	2	2
Rural South	0	0	0	0	0
Rural North	0	0	0	0	0
PROVINCE	6	6	7	7	6

NOTE: Classification by Types of Municipality:

1. Metro-Toronto

Metropolitan Toronto and its six constituent municipalities.

2. Regional Governments

All upper tier and lower tier municipalities in:

Regions of Durham, Haldimand-Norfolk, Halton, Hamilton-Wentworth, Niagara, Ottawa-Carleton, Peel, Sudbury, Waterloo and York.

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Restructured County of Oxford.

3. Cities

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Barrie, Belleville, Brantford, Brockville, Chatham, Cornwall, Guelph, Kingston, London, North Bay, Orillia, Owen Sound, Pembroke, Peterborough, Sarnia, Sault Ste. Marie, Stratford, St. Thomas, Thunder Bay, Timmins and Windsor.

4. Rural South

Separated towns, all counties (except Oxford), and all municipalities which support these counties.

5. Rural North

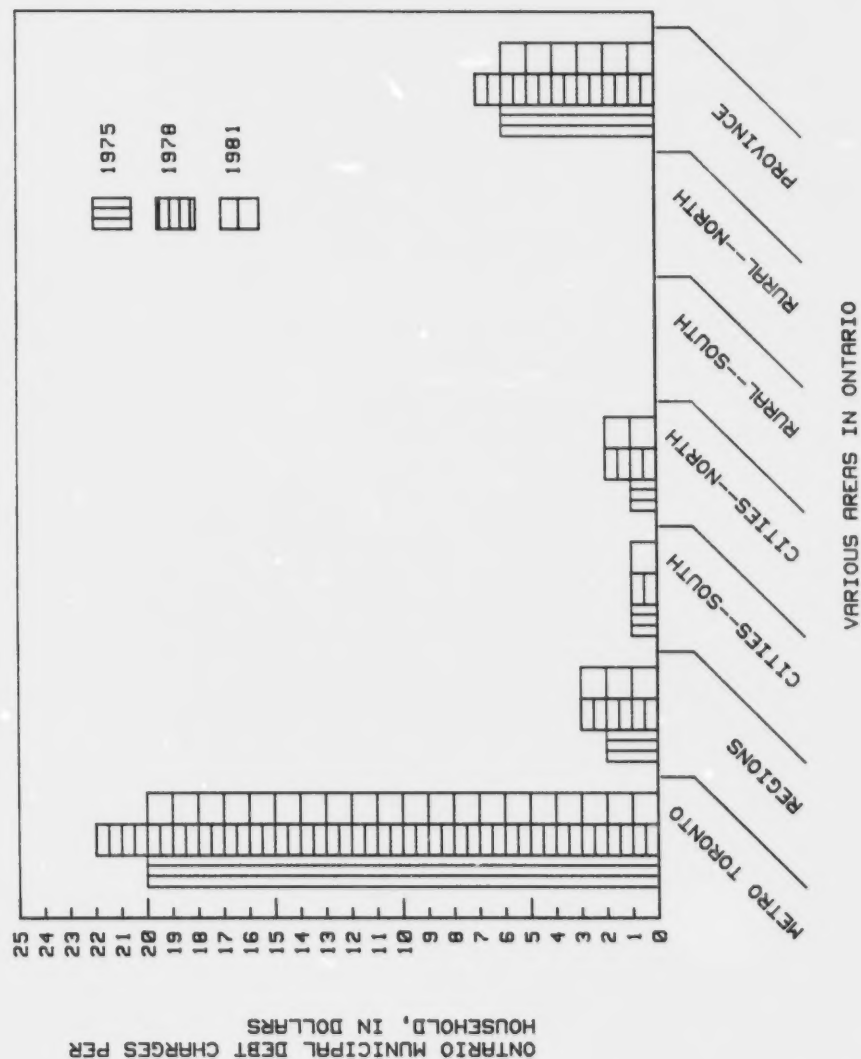
All municipalities in northern Ontario except municipalities in categories 2 and 3 above.

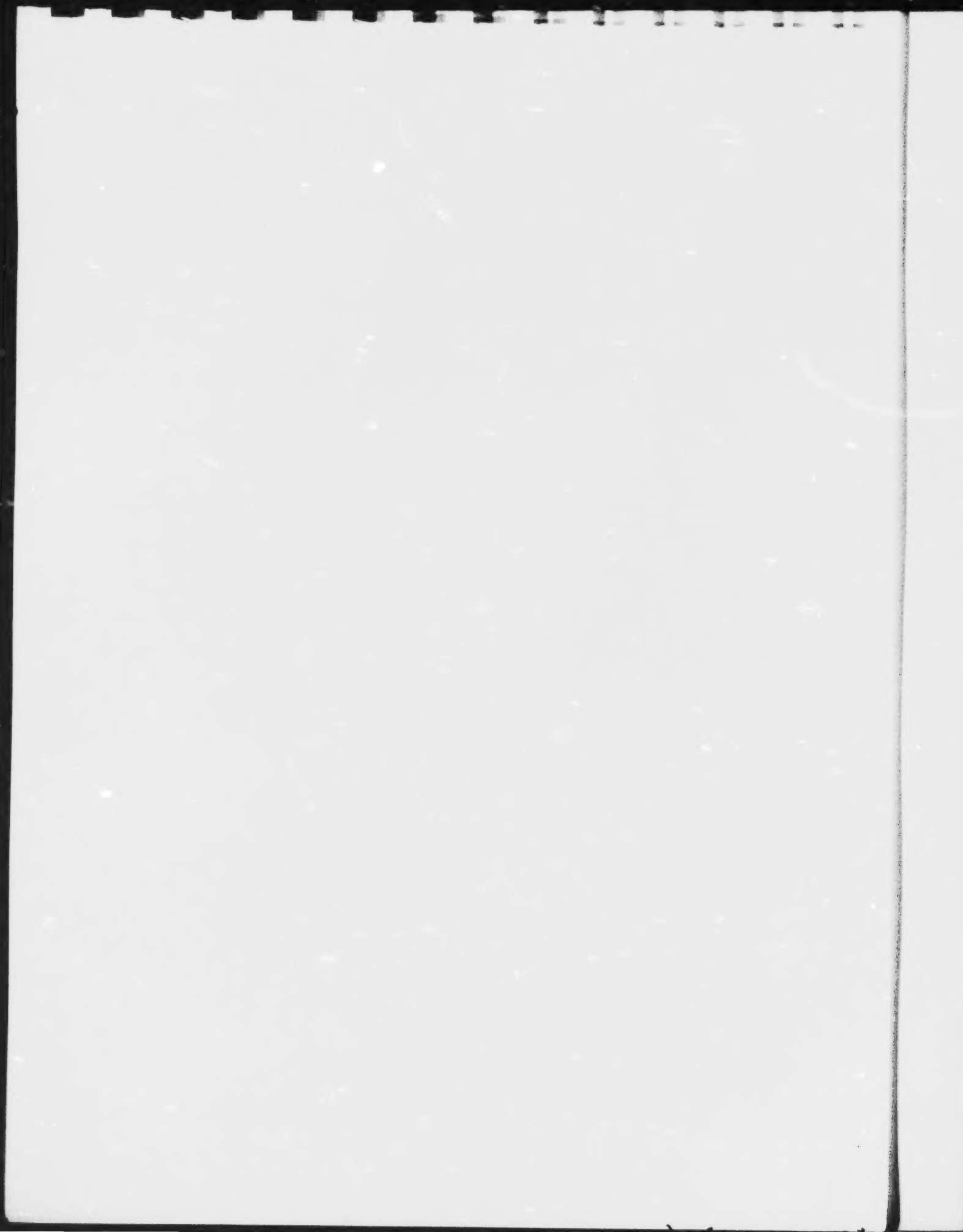
SOURCE:

1. LOCAL GOVERNMENT FINANCE IN ONTARIO 1978, Municipal Finance Branch, Ministry of Treasury and Economics, Queen's Park, Toronto, Ontario, p. 144, Table B7-41.

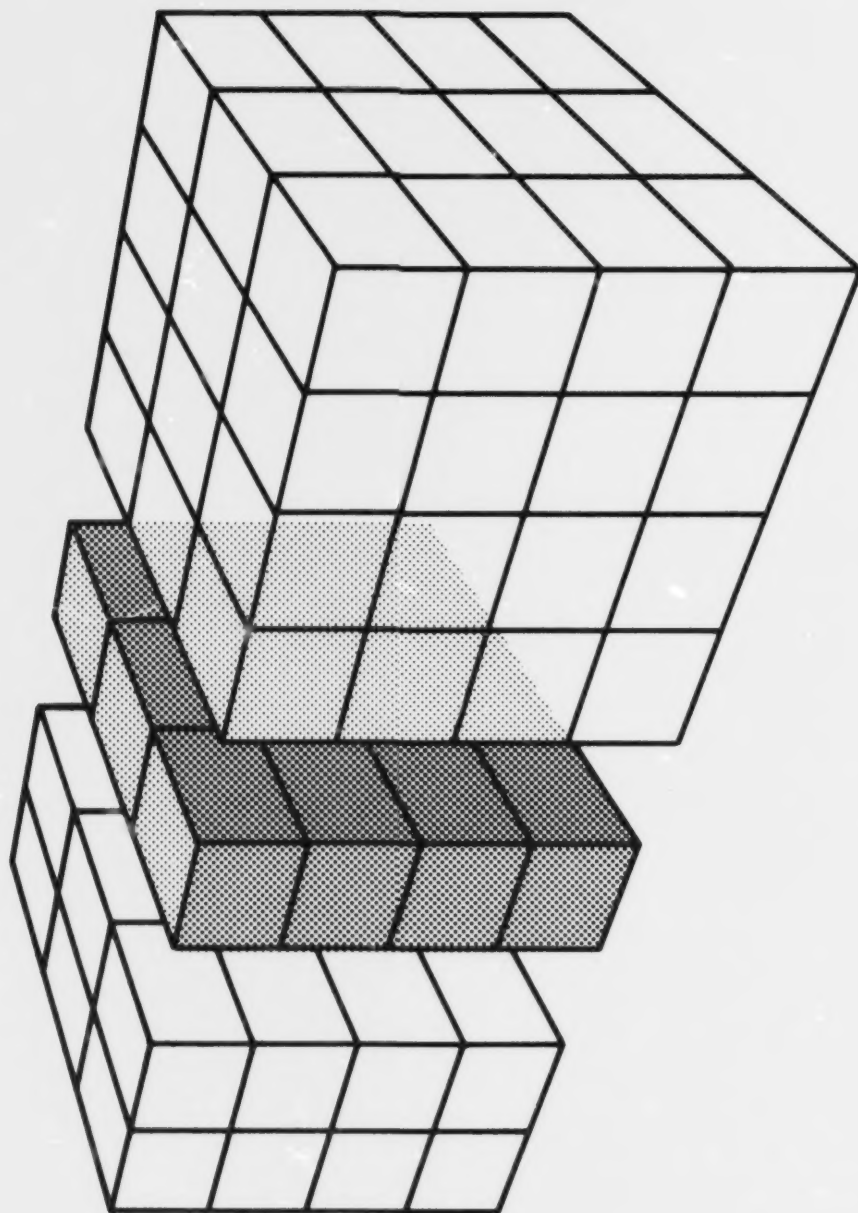
2. L.J. Close, Director, Municipal Finance Branch, Ministry of Municipal Affairs and Housing, August 30, 1983, (1980 and 1981 figures).

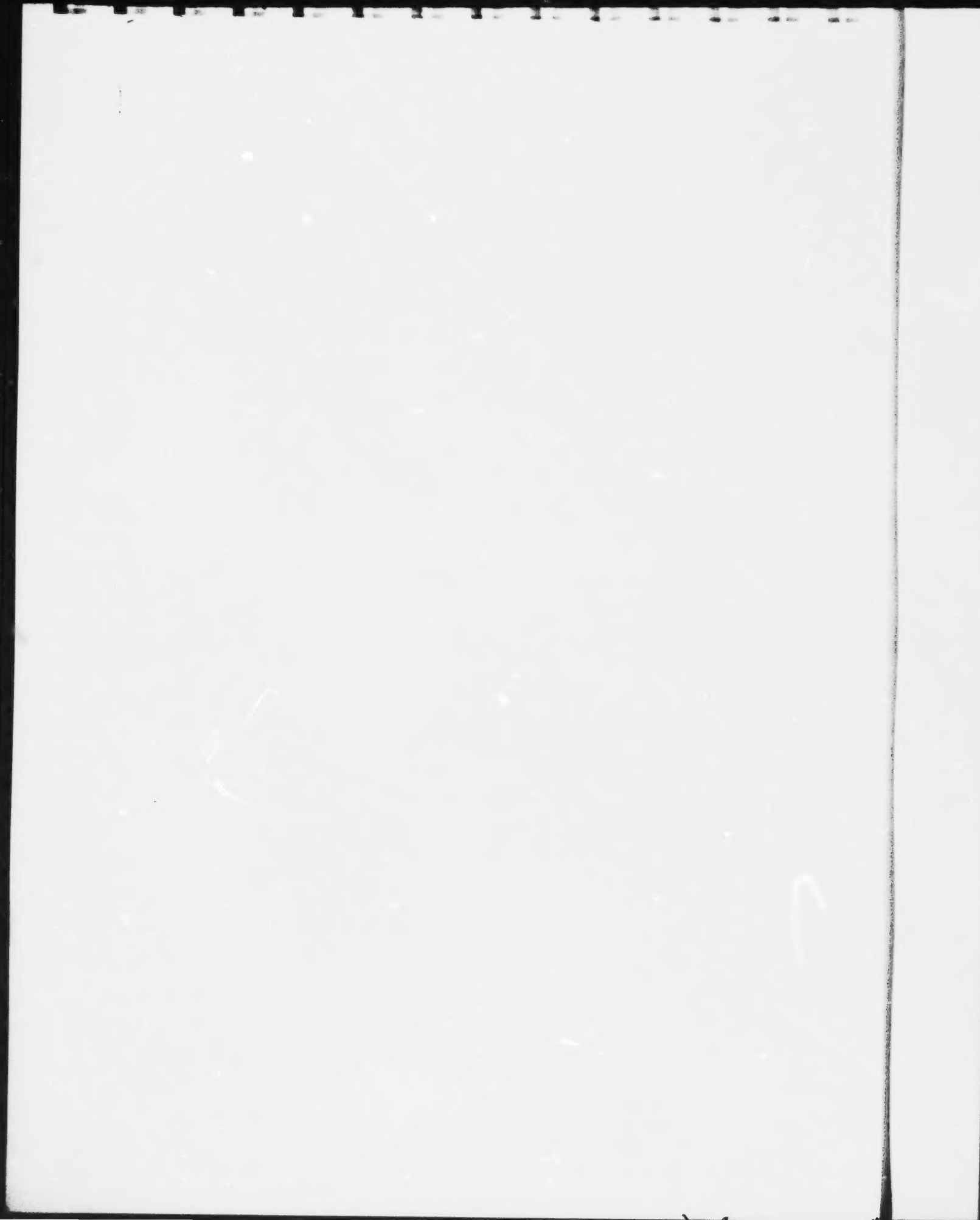
Figure TF 14 — Ontario Municipal Debt Charges per Household on Transit, in Dollars, 1975, 1978 and 1981





Rail





3. Rail

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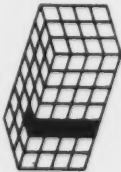


Table RaI 1 - Length of Rail Network Lines in Kilometres, by Country, 1970-1978

COUNTRY	1970	1978	ANNUAL AVERAGE PERCENTAGE CHANGE
Canada	70 783	67 889	- .5
U.S.	331 942	320 178*	- .5
Australia	40 096	40 753**	1.6
France	36 019	34 096	- .7
West Germany	33 124	31 700	- .6
Italy	20 089	16 096	-2.7
Japan ***	46 794	49 451	.7
U.K.	135 200	140 400	.5
U.S.S.R.	18 989	17 901	- .7
TOTAL NINE COUNTRIES	733 035	718 464	- .3

NOTES:

* 1977

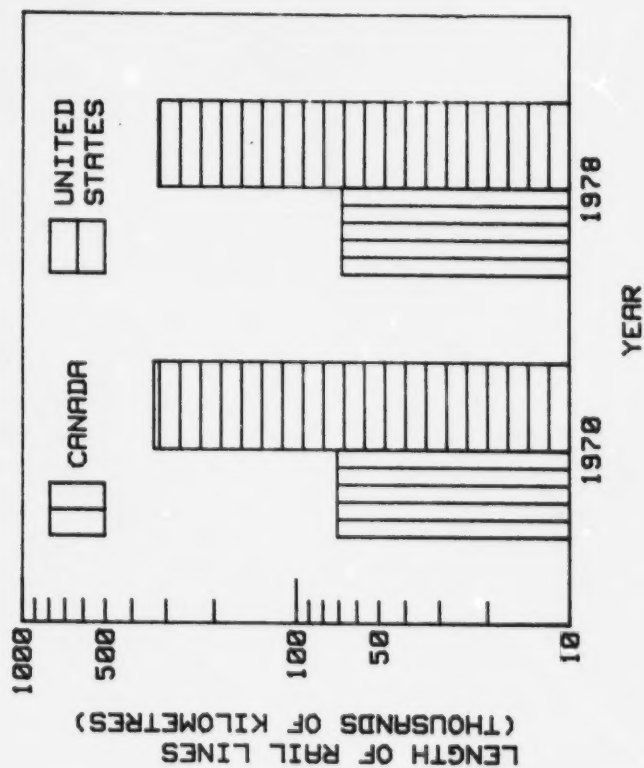
** 1975 and 1976

*** 1965 and 1973

SOURCE: - Annual Bulletin of Transport Statistics for Europe - 1979;

- World Transport Data, published by the International Road Transport Union, Department of Economic Affairs, 1976, as shown in PASSENGER AND GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON, 1960 - 1977, Transport Canada, Strategic Planning Catalogue T22-53/1981, Place de Ville, Ottawa, Ontario, May 1981.

Figure RaI 1 — Length of Rail Network Lines in Thousands of Kilometres, Canada and U.S.A., Comparison, 1970 and 1978



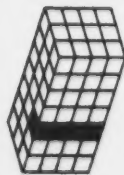


Table Rail 2 - Rail Equipment¹ in Service, by Country, 1970 and 1978

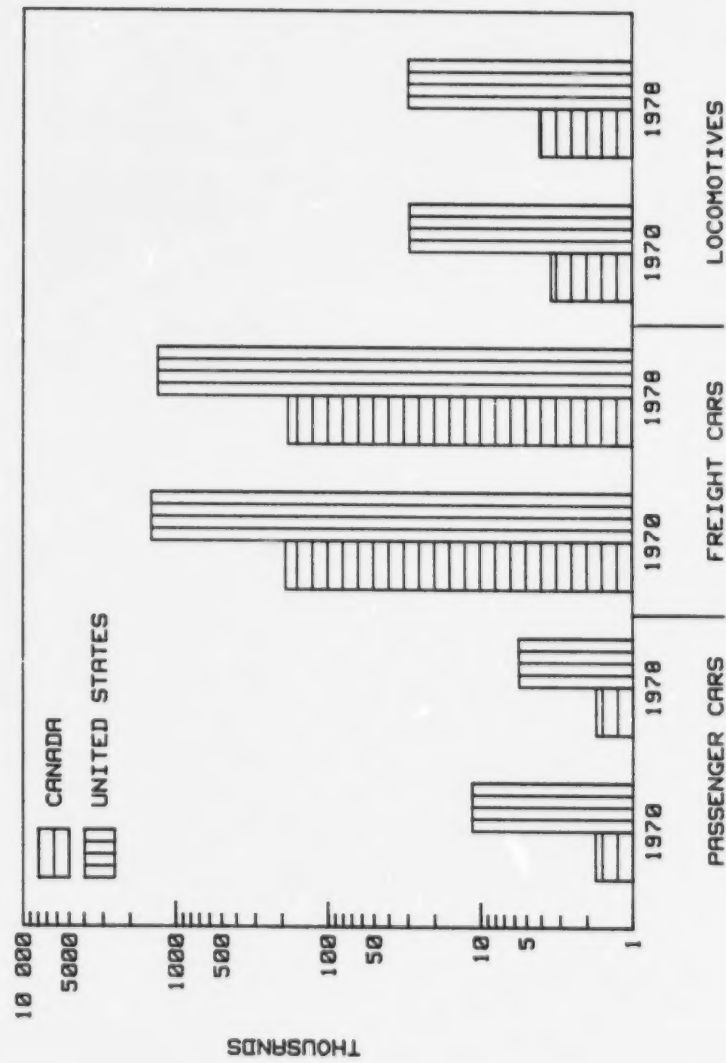
	PASSENGER CARS			FREIGHT CARS			LOCOMOTIVES ²		
	1970	1978	1970	1978	1970	1978	NUMBER	1970	1978
							(1000 TONNES)		(1000 TONNES)
Canada	1 764	1 753	188 737	182 138	10 989	10 910	3 417	4 071	4 667
U.S. ³	11 400	5 600	1 438 372	1 309 000	N/A	N/A	29 100	29 600	N/A
Australia ⁴	8 183	7 624	82 270	78 810	N/A	N/A	1 979	1 981	N/A
France	15 053	15 959	227 502	173 951	7 260	6 743	6 072	6 076	8 350
Italy	11 313	13 536	112 953	105 174	2 776	3 033	3 581	3 699	4 647
W. Germany	22 104	19 180	282 506	286 827	8 086	9 007	8 536	7 777	11 894
U.K.	18 678	17 022	364 884	150 371	6 523	3 315	4 449	3 689	N/A

NOTE:
 1. Excludes private owners' equipment
 2. Excludes rail motor vehicles
 3. 1970 and 1976
 4. 1971 and 1975

SOURCE:
 - Annual Bulletin of Transport Statistics for Europe, 1978, U.N.;
 - U.S. Statistical Abstract - 1979, as shown in PASSENGER AND GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON, 1960 - 1977, Transport Canada, Strategic Planning, Catalogue T22-53/1981, Place de Ville, Ottawa, Ontario, May 1981.



Figure RaI 2 — Rail Equipment in Service, Canada and U.S.A., 1970 and 1978



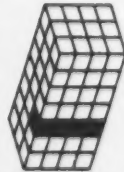
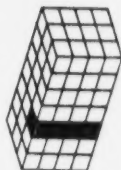


Table RaI 3 - Cars Owned or Leased by Railways in Canada* as of December 31, 1963, 1975, 1979, 1980 and 1981

1963	1975	1979	1980	1981	Type	Annual Percentage Change	
						1963-1975	1975-1979
104 593	92 669	79 302	77 079	73 635	Box cars	- 1.00%	- 3.82%
16 167	29 287	33 666	35 422	39 331	Hopper cars	5.08%	3.55%
12 443	25 722	24 785	25 421	25 439	Flat cars	6.24%	- 0.92%
22 332	23 569	21 864	21 387	21 637	Gondola & ballast cars	0.45%	- 1.86%
17 867	15 831	17 477	17 436	17 632	Company service cars (all types)	- 1.00%	2.50%
6 337	7 731	7 754	7 906	7 613	One cars	1.67%	0.07%
7 806	5 016	4 042	3 674	3 577	Refrigerator cars	- 3.62%	- 5.25%
7 113	2 776	3 747	3 532	3 492	Automobile cars	- 7.54%	7.79%
3 952	2 359	1 520	1 347	1 077	Stock cars	- 4.21%	- 10.41%
2 306	1 441	1 461	1 418	1 302	Passenger cars	- 3.84%	0.35%
1 866	495	135	162	103	Baggage postal express cars	- 10.47%	- 27.73%
5 801	379	262	248	263	Tank cars	- 20.34%	- 8.82%
TOTAL 208 583	207 275	195 015	195 032	195 101		- 0.5%	- 1.39%
							0.01
							0.035

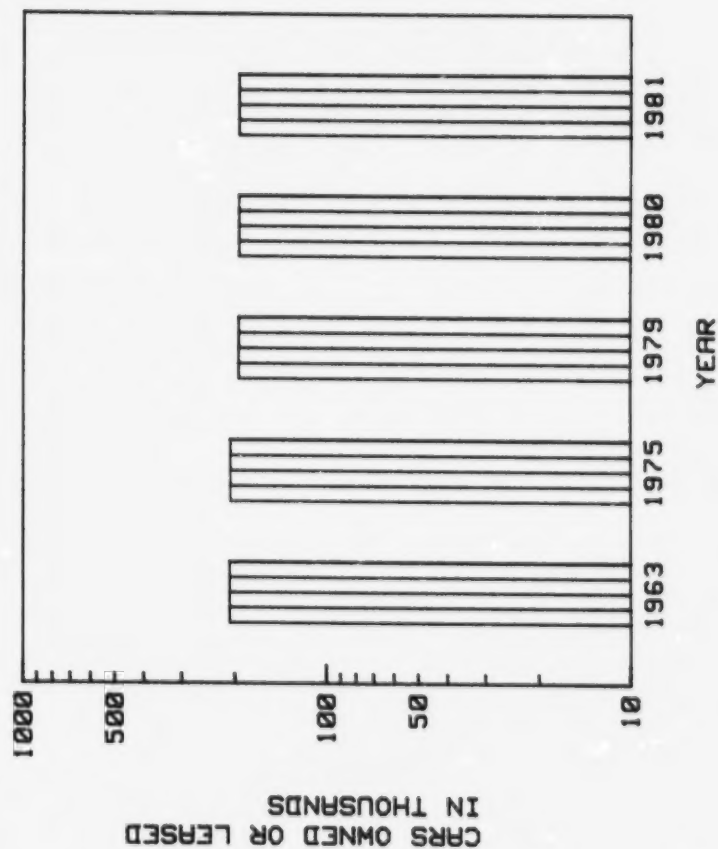
NOTE: * Excludes non-railway owner cars.

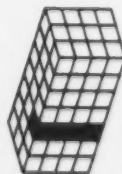
SOURCE: RAILWAY TRANSPORT PART III: Equipment, Track and Fuel Statistics, 1975 and 1979, Statistics Canada.



Rail

Figure Rai 3 -- Cars Owned or Leased by Railways in Canada as of December 31, 1963, 1975, 1979, 1980 and 1981





Rail

Table RaI 4 - Railway Companies Operating in Ontario - Length of First Main Track (Excluding Trackage Rights) as of December 31, 1981

RAILWAY COMPANY	TRACKAGE IN ONTARIO		Proportion of Canadian Trackage in Ontario
	MILES	KILOMETRES	
Canadian National	4 869*	7 835	21.7%
Canadian Pacific	3 098**	4 986	20.7%
Ontario Northland	547	880	95.1%
Algoma Central	322	518	100.0%
Chesapeake & Ohio	191	307	100.0%
Essex Terminal	19	31	100.0%
Grand River	18	29	100.0%
Lake Erie & Northern	63	101	100.0%
Canada Southern (Canadian subsidiary of CONRAIL)	277	445	100.0%
Niagara, St. Catharines and Toronto (Electric)	36	58	100.0%
Toronto, Hamilton, Buffalo	106	171	100.0%
TOTAL	9 566	15 361	

NOTE: All trackage figure with a decimal point were rounded to the appropriate whole number.

Norfolk and Western Railway is leasing railway line in Canada and has trackage rights over 364 km (226 miles) of CNR track, which is incorporated in CNR trackage total.

* Statistics Canada figure less Niagara, St. Catharines and Toronto Railway trackage.

** Statistics Canada figure less Grand River Railway and Lake Erie and Northern Railway trackage. Equipment of these railways is included with CP Rail.

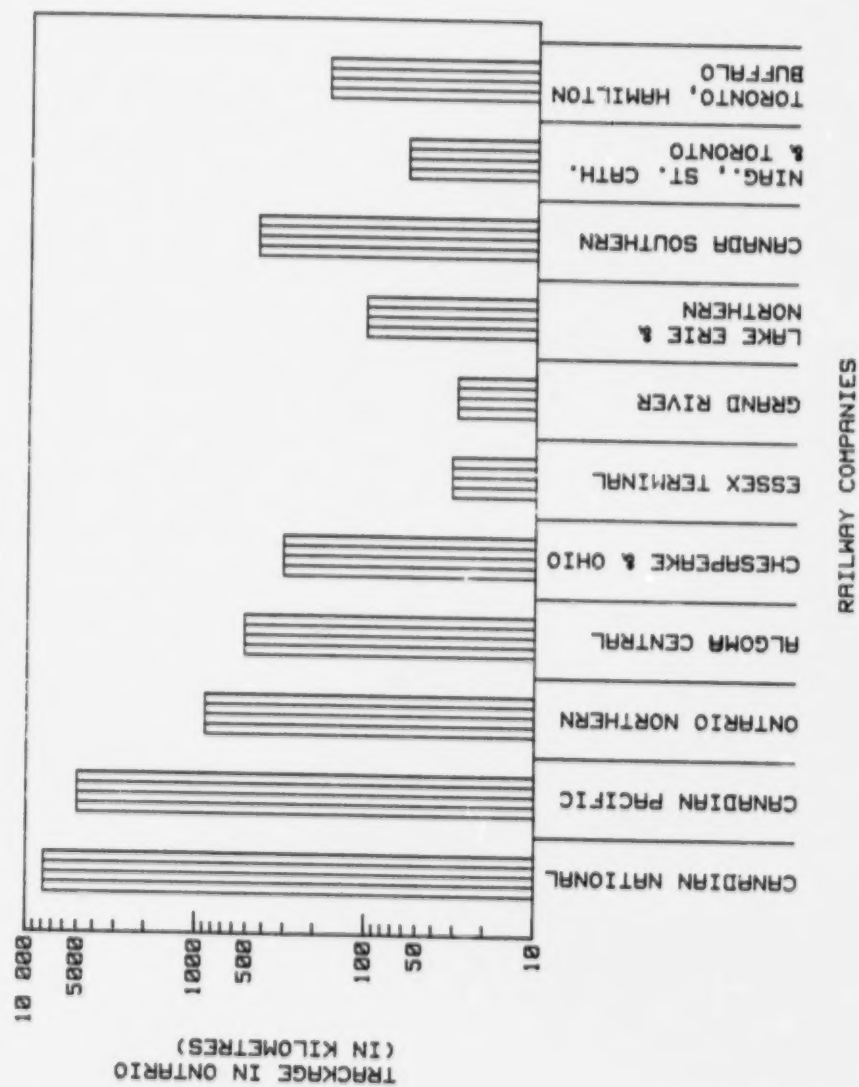
SOURCE:

1. Railway Transport, Part III, Equipment, Track and Fuel Statistics, 1981, Catalogue 52-209 Annual, Statistics Canada, Ottawa, Ontario, March 1983.
2. Canadian Almanac Directory 1983, 136th year of publication. Copp Clark Pitman - A division of Copp Clark Limited, Toronto, Ontario.
3. Canadian-Guide, Canada's Most-up-to-date-Gazetteer and Shipper's Directory. 3rd quarter 1983, published by Interguide Publications Inc., Burlington, Ontario L7P 3S9.

(NOTE: Trackage figures for each individual railways were extracted from the above publication, compared with Statistics Canada figures in source 1, analyzed and verified by M.J. Goodale, Assistant Transportation Officer, Rail Office).



Figure RaI 4 — Railway Companies Operating in Ontario as of December 31, 1981



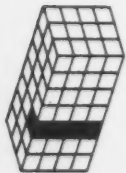


Table Rai 5 - Railway/Highway Crossings as of December 31, 1981

GRADE CROSSING	ONTARIO	CANADA (excl. Ontario)	CANADA (total)
Protected			
Urban	2 133	2 839	4 972
Rural	2 196	3 827	6 023
TOTAL	4 323	6 666	10 995
Unprotected			
Urban	1 724	3 097	4 821
Rural	3 021	15 496	18 517
TOTAL	4 745	18 593	23 338
All Crossings			
(Protected and Unprotected)			
Urban	3 857	5 936	9 793
Rural	5 217	19 323	24 540
TOTAL	9 074	25 259	34 333
Unprotected Crossings as % of All Grade Crossings			
Urban	19.0%	12.3%	14.1%
Rural	33.3%	61.3%	53.9%
TOTAL	52.3	73.6	68.0
Unprotected Crossings			
Urban as % of total urban grade crossings	44.7%	52.2%	49.2%
Rural as % of total rural grade crossings	57.9%	80.2%	75.5%

NOTE: Railway/highway crossings are protected by gates, bridges, subways, automatic signals and watchmen; whereas other (unprotected) railway/highway crossings at grade may be sometimes designated by warning signs only.

SOURCE: RAILWAY TRANSPORT 1981, Part I, Comparative summary statistics, 1977-1981, Catalogue 52-207 Annual, Statistics Canada, Ottawa, Ontario, Table 27, pp. 42-43.

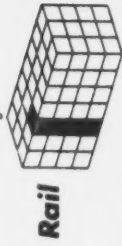
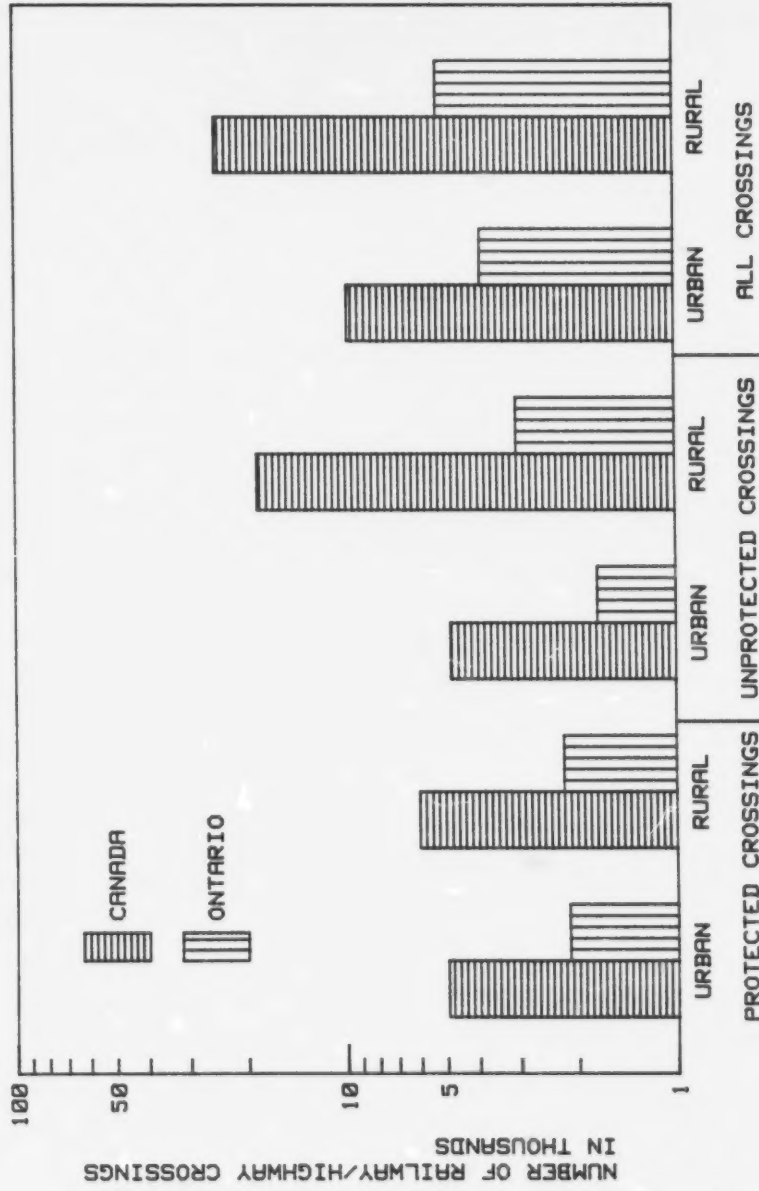
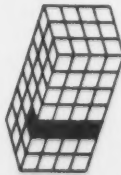


Figure RaI 5 - Railway/Highway Crossings as of December 31, 1981





Rail

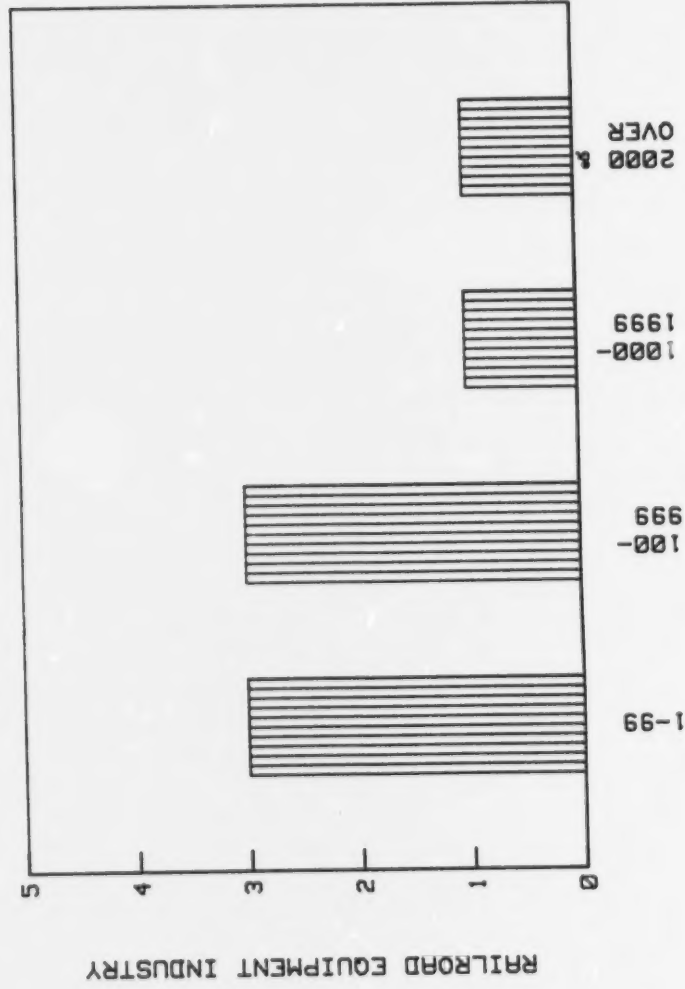
Table RaI 6A -- Railroad Equipment Industry in Ontario, 1982, Establishments Classified in 1982 to SIC 326, Railroad Rolling Stock Industry

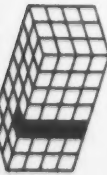
COMPANY	LOCATION	PRODUCT AND/OR SERVICES	TOTAL EMPLOYEES 1982
1. BUFFALO BRAKE BEAM COMPANY	Hamilton	Railroad freight car brake beams, brake shoe keys, unit side frame wear plates, disc brakes and freight car container and supplies.	19
2. CANRON INC., FOUNDRY DIVISION	Burlington	Grey, alloy and ductile iron castings, wear resistant castings, ingot moulds, heat resistant stainless steel castings.	42
3. FAIRMONT RAILWAY MOTORS LIMITED	Malton	Railway maintenance equipment.	26
4. GENERAL MOTORS OF CANADA LIMITED - DIESEL DIVISION	London	Diesel - electric locomotives, off-highway trucks, transit buses, school bus chassis, armoured defence vehicles.	2 500
5. HAWKER SIDDELEY CANADA INCORPORATED, CANADIAN CAR DIVISION	Thunder Bay	Passenger rail cars, (subway, commuter and main-line)	400
6. NATIONAL STEEL CAR LTD.	Hamilton	Railway freight cars and industrial rail cars.	1 500
7. PROCOR LIMITED	Oakville	Rail freight cars.	560
8. WABCO LTD. WESTINGHOUSE AIR BRAKE DIVISION	Stoney Creek	Railway products, air brake systems for locomotives and rail cars, mass transit control equipment, electro-pneumatics, mass transit, and passenger car brake systems, composition brake shoes, air cooled disc brakes.	338

SOURCE: 1. RAILROAD ROLLING STOCK INDUSTRY 1982, Catalogue 42-211 Annual, Statistics Canada, Ottawa, Ontario, p. 13.
 2. SCOTT'S INDUSTRIAL DIRECTORY ONTARIO MANUFACTURERS, 14th Edition. 1983-1984, Published by Scott's Industrial Directories, Oakville, Ontario.



Figure RaI 6A - Employment Size Range for Railway Equipment Industry in Ontario, 1982

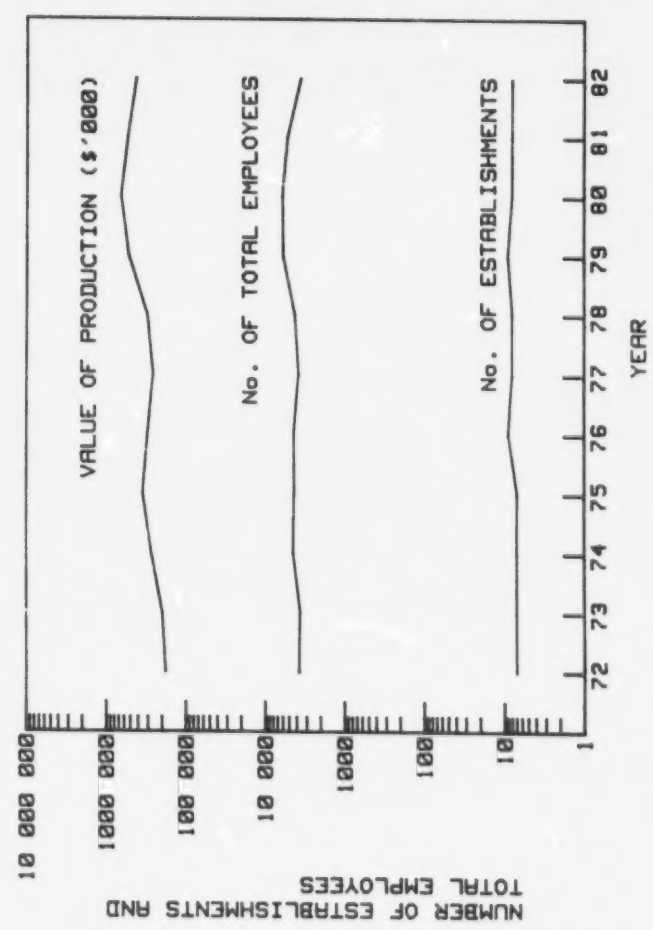


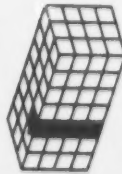


	<u>1972</u>	<u>1973</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>
No. of Establishments	7	7	7	7	9	8	8	9	8	8	8
No. of Production Workers	2 741	2 543	3 319	3 352	3 135	2 551	2 925	4 528	4 640	3 825	2 261
No. of Total Employees	3 761	3 671	4 480	4 350	4 424	3 854	4 335	6 075	6 184	5 288	3 611
Value of Production (\$'000)	180 483	198 859	273 645	349 175	305 022	259 874	309 335	532 761	664 811	545 045	425 285
Value Added (\$'000)	59 807	75 941	99 180	121 071	151 300	97 154	119 411	209 528	232 232	192 436	154 841

SOURCE: Railroad Rolling Stock Industry, Catalogue 42-211 Annual, Statistics Canada, Ottawa, Ontario, December 1983.

Figure RaI 6B -- Railroad Rolling Stock Industry in Ontario, 1972-1982





Rail

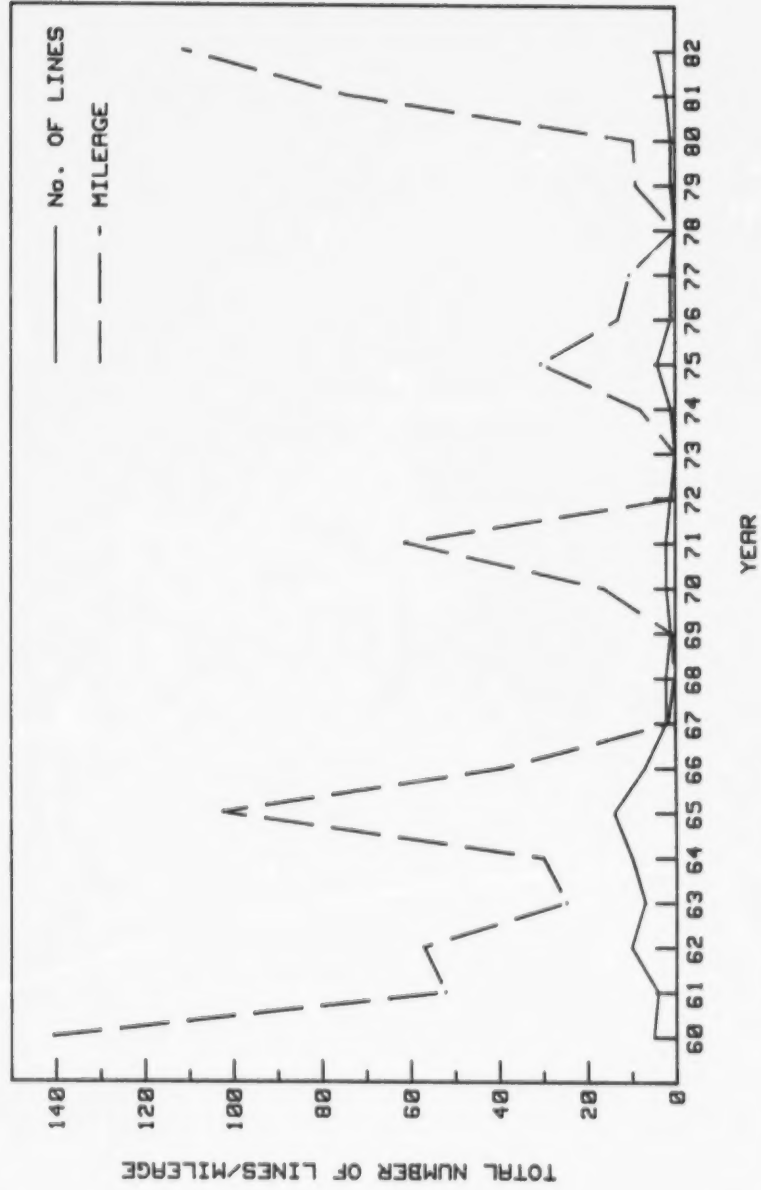
Table Ra1 7 - Chronological History of Branch Line Abandonments in Ontario Since 1960

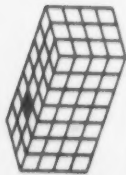
YEAR	CNR		CPR		OTHER		TOTAL	
	# OF LINES	MILEAGE	# OF LINES	MILEAGE	# OF LINES	MILEAGE	# OF LINES	MILEAGE
1960	2	67.2	--	--	3	73.4	5	140.6
1961	2	27.2	1	14.4	1	10.5	4	52.1
1962	8	24.0	2	33.0	--	--	10	57.0
1963	7	24.7	--	--	--	--	7	24.7
1964	5	14.8	4	14.6	1	0.6	10	30.0
1965	12	86.7	2	15.6	--	--	14	102.3
1966	6	24.3	1	14.6	--	--	7	38.9
1967	1	1.2	1	0.3	--	--	2	1.5
1968	--	--	2	0.3	--	--	2	0.3
1969	1	0.7	--	--	--	--	1	0.7
1970	--	--	2	16.1	--	--	2	16.1
1971	1	0.2	1	60.9	--	--	2	61.1
1972	--	--	--	--	1	0.3	1	0.3
1973	--	--	--	--	--	--	--	--
1974	--	--	--	--	1	8.0	1	8.0
1975	4	30.3	--	--	--	--	4	30.3
1976	--	--	1	12.8	--	--	1	12.8
1977	--	--	1	10.3	--	--	1	10.3
1978	--	--	--	--	--	--	--	--
1979	1	8.9	--	--	--	--	1	8.9
1980	1	9.5	--	--	--	--	1	9.5
1981	2	74.2	--	--	--	--	2	74.2
1982*	4	111.2	--	--	--	--	4	111.2
TOTALS	57	505.1	18	192.9	7	92.8	82	790.8

*To October 1982.

SOURCE: Rail Office, Ontario Ministry of Transportation and Communications.

Figure RaI 7 — Chronological History of Branch Line Abandonments in Ontario Since 1960





Rail

Table RaP 1 - Annual Rail Passenger-Kilometres, by Country, 1960, 1970, 1973 and 1977

COUNTRY	RAIL THOUSAND MILLION PASSENGER-KILOMETRES				ANNUAL AVERAGE PERCENTAGE CHANGE		
	1960	1970	1973	1977	1960-70	1970-73	1973-77
Canada	3.6	3.7	2.6	3.0	-	-11.1%	3.6%
U.S.	34.0	17.3	15.0	16.6	-6.6	-4.7	2.6
Australia	10.0	7.0	6.3	5.0	-3.5	-3.6	-5.4
France	31.8	41.0	44.7	51.8	2.6	2.9	3.8
West Germany	38.3	38.0	39.8	35.8	-0.1	1.5	-2.6
Italy	30.8	34.9	36.4	41.7	1.2	1.4	3.5
Japan	180.9	288.9	310.8	319.6	4.8	2.5	0.7
U.K.	34.7	30.4	35.1	29.3	-1.3	4.9	-4.4
U.S.S.R.	170.8	265.4	296.6	322.2	4.5	3.8	2.1
TOTAL	534.9	726.6	787.3	825.0	3.1	2.7	1.2

SOURCE: - 1976 Statistical Yearbook, United Nations;
 - Yearbook Australia, 1975 - 1976;
 - Annual Bulletin of Transport Statistics for Europe, various issues, as shown in PASSENGER AND GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON, 1960 - 1977, Transportation Canada, Strategic Planning, Catalogue T22-53/1981, Place de Ville, Ottawa, Ontario, May 1981.

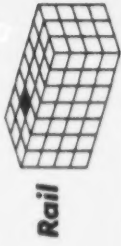
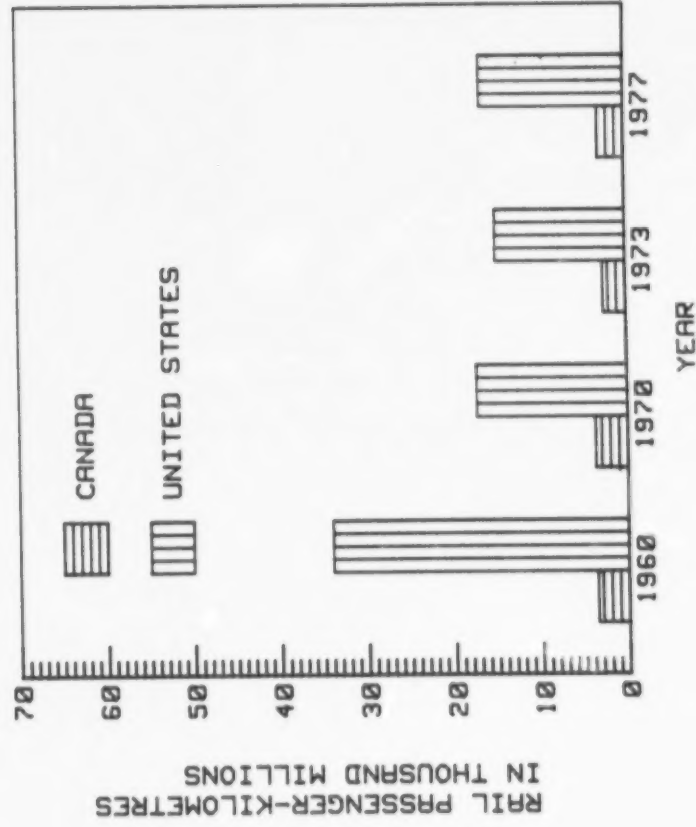
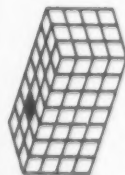


Figure RaP 1 — Annual Rail Passenger-Kilometres, U.S.A. and Canada, 1960-1977



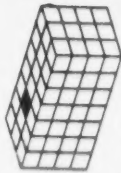


Rail

Table RaP 2 - Annual Rail Passenger-Kilometres per Capita, by Country, 1960-1977

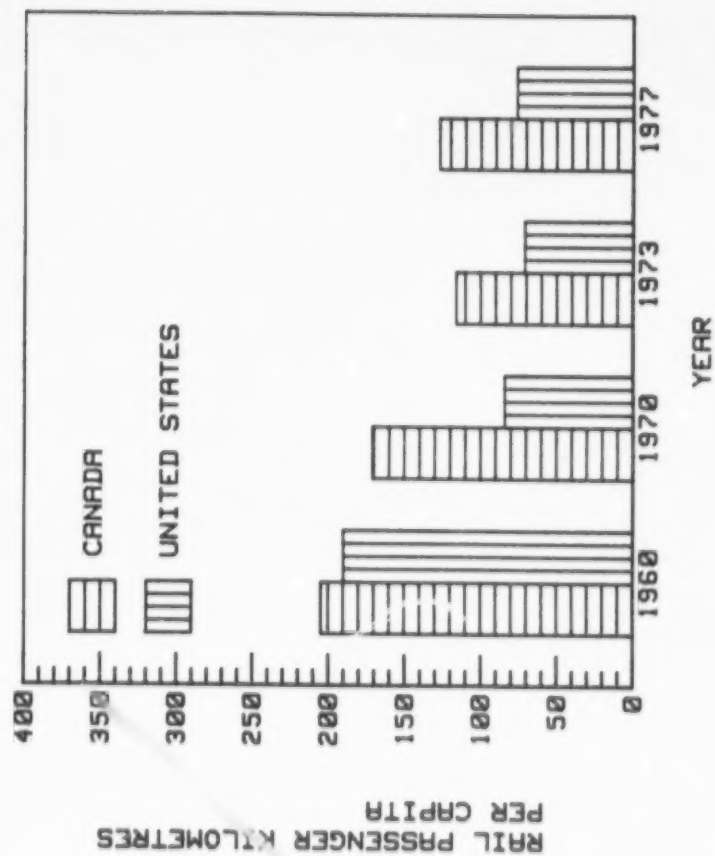
COUNTRY	RAIL PASSENGER KILOMETRES PER CAPITA				ANNUAL AVERAGE PERCENTAGE CHANGE		
	1960	1970	1973	1977	1960-70	1970-73	1973-77
Canada	205	171	116	127	-1.8%	-12.1%	2.3%
U.S.	190	84	71	76	-7.8%	-5.5%	1.7%
Australia	973	558	479	358	-5.4%	-5.0%	-7.0%
France	698	807	858	976	1.5%	2.1%	3.3%
West Germany	717	639	642	583	-1.1%	.2%	-2.4%
Italy	624	650	662	738	.4%	.6%	2.8%
Japan	1 941	2 794	2 859	2 807	3.7%	.8%	-5.5%
U.K.	660	546	645	523	-1.9%	5.7%	-5.1%
U.S.S.R.	797	1 093	1 188	1 244	2.7%	2.8%	1.2%

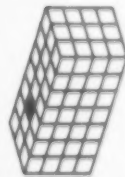
SOURCE: PASSENGER AND GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON, 1960 - 1977, Transport Canada, Strategic Planning, Catalogue No. T22-53/1981, Place de Ville, Ottawa, Ont. K1A 0N5, May 1981.



Rail

Figure RaP 2 -- Annual Rail Passenger-Kilometres per Capita, U.S.A. and Canada, 1960-1977





Rail

Table RaP 3 - Annual Net Rail Tonne-Kilometres, by Country, 1960-1977

COUNTRY	TONNE-KILOMETRES (THOUSAND MILLION)				ANNUAL AVERAGE PERCENTAGE CHANGE		
	1960	1970	1973	1977	1960-70	1970-73	1973-77
	96	161	191	206	5.3%	5.9%	1.9%
Canada							
U.S.	836	1 251	1 244	1 398	4.1%	-.2%	3.0%
Australia	14	37	50	59	10.2%	10.6%	4.2%
France	57	72	74	68	2.4%	.9%	-2.1%
West Germany	56	73	67	57	2.7%	-2.8%	-4.0%
Italy	17	19	18	18	1.1%	-1.8%	0
Japan	53	63	59	41	1.7%	-2.2%	-8.7%
U.K.	28	24	26	20	-1.5%	2.7%	-6.3%
U.S.S.R.	1 504	2 495	2 958	3 331	5.2%	5.8%	3.0%
TOTAL	2 661	4 195	4 687	5 198	4.7%	3.8%	2.6%

Source:

- Annual Bulletin of Transport Statistics for Europe, 1978 and earlier issues;
- U.N. Yearbook, 1977, as shown in PASSENGER AND GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON, 1960 - 1977, Transport Canada, Strategic Planning, Catalogue No. T22-53/1981; Place de Ville, Ottawa, Ontario, KIA 0N5, May 1981.

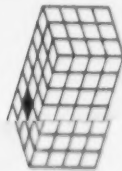
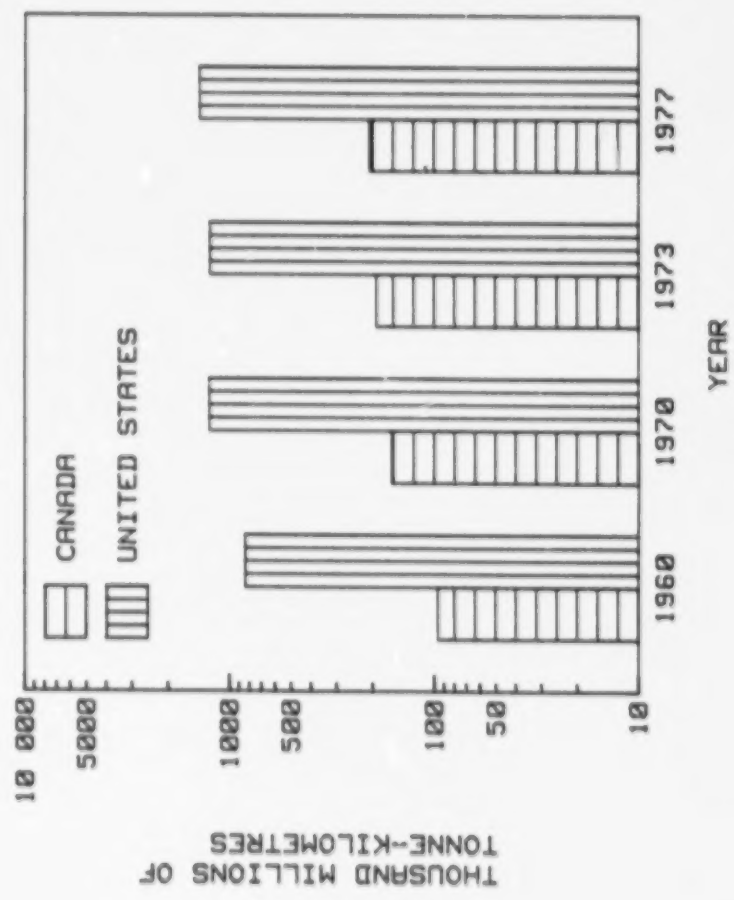


Figure RaP 3 - Annual Net Rail Tonne-Kilometres, U.S.A. and Canada, 1960-1977



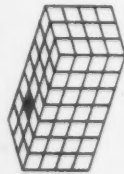


Table RaP 4A - Revenue Freight Carried by Railways Within Canada (in '000 metric tonnes), 1970-1982

Year	Loaded onto Railway Cars in Canada		Unloaded from Railway Cars in Canada	Received from U.S. Rail		Delivered to U.S. Rail	Total Freight Traffic
	# of Cars ('000) (1)	(2)	(3)	Destined to Canadian Points (4)	Destined to U.S. Points (5)	(6)	(7)*
1970	3760	188 628	175 293	12 363	10 807	34 763	211 798
1971	3807	192 884	177 141	11 552	9 671	35 214	214 107
1972	3802	193 579	179 666	12 999	8 913	35 046	215 491
1973	4047	217 709	204 827	15 185	8 056	35 249	240 950
1974	4116	221 651	209 145	17 770	7 310	35 983	246 731
1975	3715	206 761	194 004	13 914	5 302	30 309	225 977
1976	3770	218 438	204 070	14 576	5 668	35 254	238 682
1977	-	-	-	-	-	-	246 974
1978	3747	219 036	200 219	14 403	5 043	37 953	238 481
1979	3880	237 061	218 347	15 083	4 986	37 886	257 130
1980	3788	235 757	218 306	13 822	4 151	34 767	253 730
1981	3607	230 257	214 217	12 669	3 718	32 443	246 133
1982	3099	199 569	184 080	9 789	3 184	27 738	212 542

NOTE:

* (7) = (2) + (4) + (5).

SOURCE:

1. SELECTED STATISTICS ON RAILWAYS IN CANADA, ONTARIO AND USA, Table 3, based upon Statistics Canada Catalogue 52-205 (for 1970 - 1978), prepared by Rail Office, Ontario Ministry of Transportation and Communications.

2. RAILWAY FREIGHT TRAFFIC, Catalogue 52-205 Annual, Statistics Canada, Ottawa, Ontario (for 1979-1982 years).

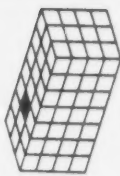
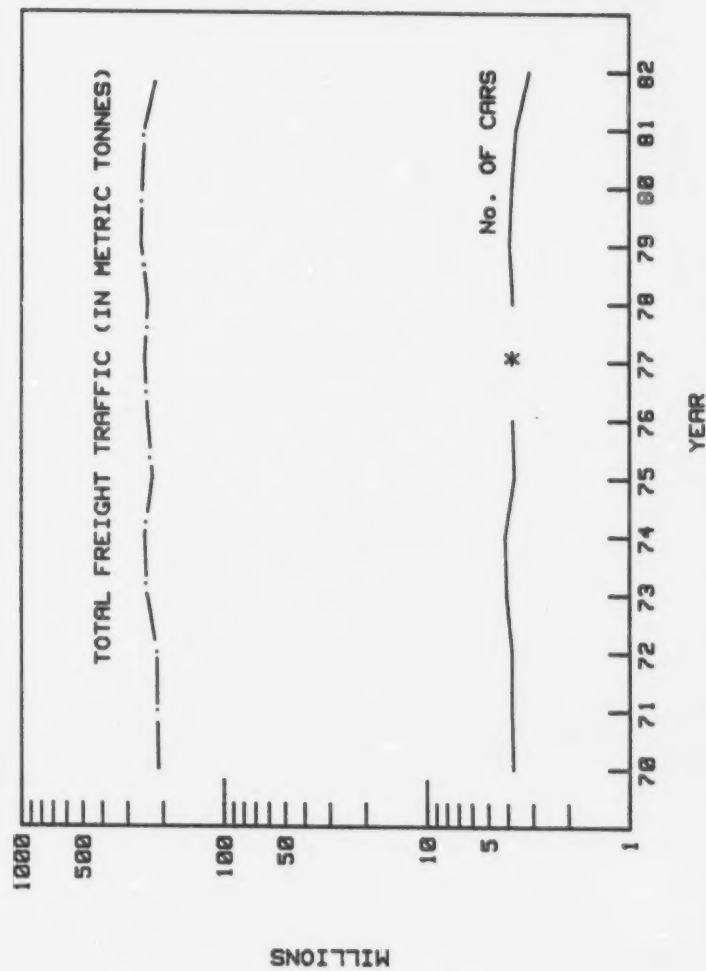
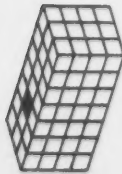


Figure RaP 4A -- Revenue Freight Carried by Railways Within Canada, 1970-1982



NOTE: * With exception of Total Freight Traffic, a figure for No. of Cars, for 1977, is not available



Rail

Table RaP 4B — Revenue Freight Carried by Railways in Ontario (in '000 metric tonnes), 1970–1982

Year	Loaded onto Railway Cars in Ontario		Unloaded from Railway Cars in Ontario	Received from U.S. Rail		Delivered to U.S. Rail	Total Freight Traffic
	# of Cars ('000) (1)	(2)		Destined to Canadian Points (4)	Destined to U.S. Points (5)		
1970	1030	46 515	56 969	7 925	7751	20 060	62 191
1971	1004	45 413	54 733	7 198	7104	19 479	59 715
1972	1049	47 530	61 060	8 216	6227	18 283	61 973
1973	1099	49 857	58 278	9 796	6242	18 020	65 895
1974	1161	53 304	62 036	11 677	5531	18 750	70 512
1975	995	47 424	56 650	8 402	3919	15 603	59 745
1976	1003	49 206	59 022	9 427	4179	18 293	62 812
1977	1005	49 655	58 181	9 220	4045	18 620	62 920
1978	982	47 047	56 899	9 020	3467	18 986	59 534
1979	967	45 242	54 925	9 389	3413	19 357	58 043
1980	944	47 328	57 269	8 472	2611	17 062	58 411
1981	873	44 258	55 555	7 883	2177	15 942	54 318
1982	687	34 608	49 927	6 224	1918	13 529	42 750

NOTE: * (7) = (2) + (4) + (5)

SOURCE: 1. SELECTED STATISTICS ON RAILWAYS IN CANADA, ONTARIO AND USA, Table 21, based upon Statistics Canada Catalogue 52-205 (for 1970 - 1978 years), prepared by Rail Office, Ontario Ministry of Transportation and Communications.
2. RAILWAY FREIGHT TRAFFIC, Catalogue 52-205 Annual, Statistics Canada, Ottawa, Ontario (for the 1979-1982 years).

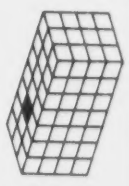
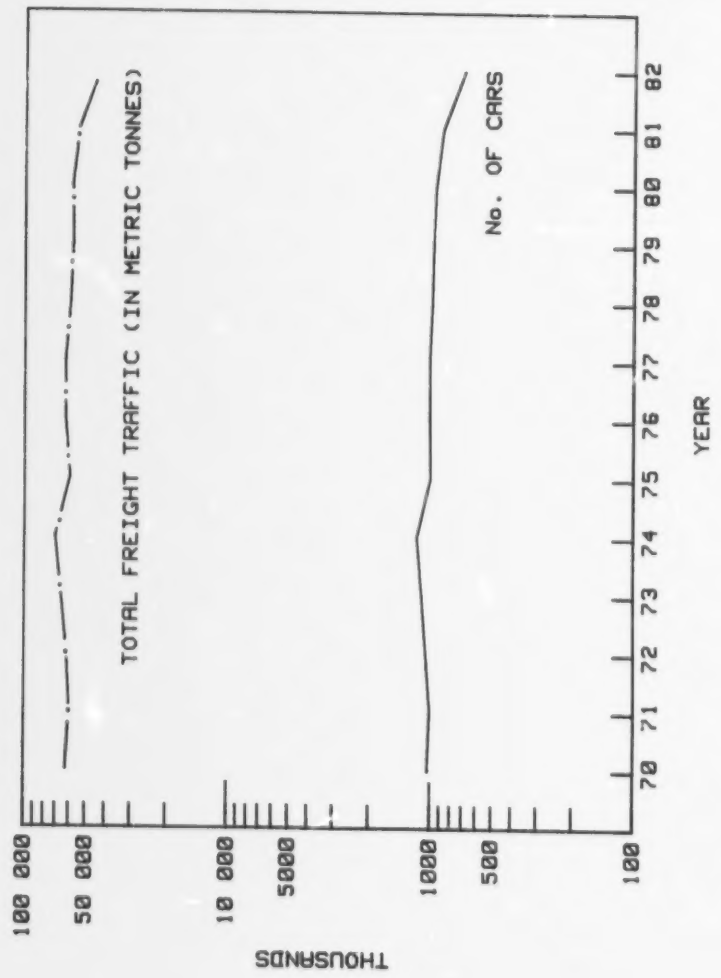
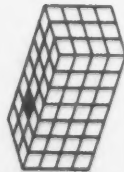


Figure RaP 4B — Revenue Freight Carried by Railways in Ontario, 1970–1982





Rail

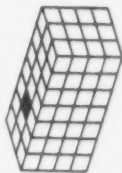
Table RaP 4C - Revenue Freight Receiving Initial (or Final) Rail Haul in Ontario, 1970-1982, by Commodity Groups (in '000 metric tonnes)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
I Live Animals	34	15	12	14	15	4	4	2	2	1	2	2	1
II Food, feed, beverage & tobacco	7 170	6 798	7 238	7 063	7 898	6 353	6 603	6 521	5 964	6 127	6 751	6 211	6 526
III Crude Materials, inedible	29 460	28 151	28 492	30 016	31 482	27 524	28 666	28 609	25 431	22 944	25 155	21 540	15 015
IV Fabricated Materials, inedible	17 888	16 144	16 501	17 659	19 332	14 753	15 187	16 223	16 607	17 683	16 982	17 400	13 273
V End Products, inedible	5 372	6 072	6 624	7 438	7 515	7 414	7 834	7 269	7 018	6 650	5 506	5 028	3 953
VI Special Types of Traffic*	1 819	2 075	2 676	3 120	3 423	3 231	4 081	3 969	4 224	4 421	3 831	3 966	3 678
VII Non-Carload Traffic	378	391	364	513	771	403	321	326	287	216	184	171	303
Total**	62 121	59 650	61 907	65 823	70 436	59 682	62 696	62 919	59 533	58 042	58 411	54 318	42 749

NOTE: *Mainly piggyback traffic.

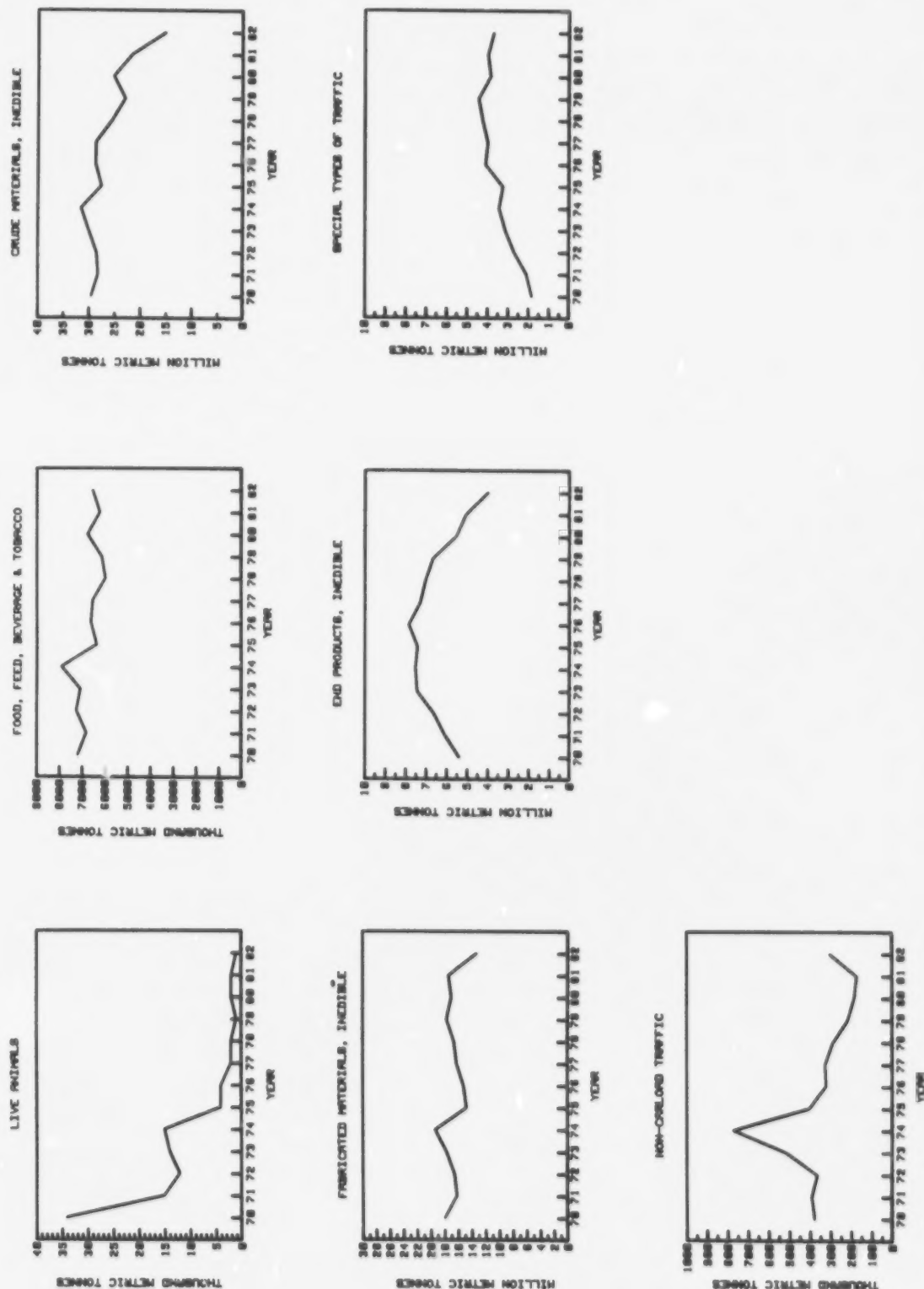
**Figures differ from those in Table RaF 2 due to metric conversion and rounding.

SOURCE: RAILWAY FREIGHT TRAFFIC, Catalogue 52-205 Annual, Statistics Canada, Ontario, Ontario.



Rail

Figure RaP 4C - Revenue Freight Receiving Initial (or Final) Rail Haul in Ontario, 1970-1982



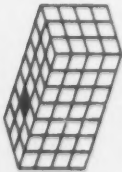


Table RaP 5A - Canadian Railways, Fuel and Power Consumed by Motive Power Equipment, 1979

TRANSPORTATION SERVICE	ELECTRIC ENERGY		DIESEL		OIL		GASOLINE		OTHER (CRUDE OIL)	
	'000 kW.h	'000 kW.h	gallons	litres	gal.	lit.	gallons	litres		
Freight	7 775	7 775	440 426 433	2 002 218 203	-	-	18 884 377	85 850 077		
Passenger	1 111	1 111	43 804 874	199 140 900	-	-	442 367	2 011 040		
Yard switching	-	-	39 325 506	178 777 289	-	-	468 585	2 130 230		
Work train service	-	-	9 951 283	45 239 428	-	-	436 116	1 982 623		
TOTAL	8 886	8 886	533 508 096	2 425 375 820	-	-	20 231 445	91 973 970		
Cost at distributing point* - \$	452 084	452 084	301 255 499	301 255 499	-	-	10 045 963	10 045 963		
Average unit cost** - ¢	5.09	5.09	56.47	12.42	-	-	49.66	10.92		

NOTE: *Due to non-availability of financial detail, costs relating to fuel consumed by the Carter Railway are excluded.

**Amount of diesel fuel consumed by Carter Railway has been excluded when calculating average unit cost.

SOURCE: RAILWAY TRANSPORT, Part III-Equipment, track and fuel statistics 1979, Catalogue 52-209, Annual, Statistics Canada, Ottawa, Ontario, April 1981, p. 26.

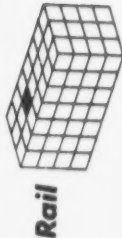
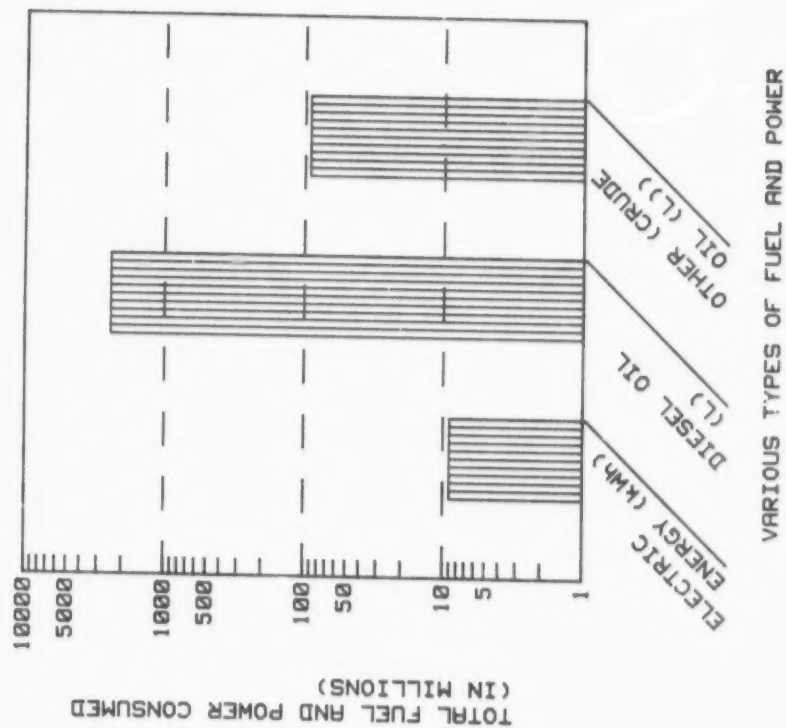
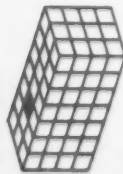


Figure RaP 5A — Canadian Railways, Fuel and Power Consumed by Motive Power Equipment, 1979





Rail

Table RaP 5B - Canadian Railways, Fuel and Power Consumed by Motive Power Equipment, 1981*

TRANSPORTATION SERVICE	ELECTRIC ENERGY		DIESEL		OIL		GASOLINE		OTHER (CRUDE OIL)	
	'000 kW.h	'000 kW.h	gallons	litres	gal.	lit.	gallons	litres	gallons	litres
Freight	-	-	420 709 404	1 912 582 814	-	-	23 151 412	105 248 403	-	-
Passenger	6 161	6 161	40 541 827	184 306 794	-	-	478 725	2 176 327	-	-
Yard switching	837	837	31 454 364	142 994 370	-	-	1 105 947	5 027 735	-	-
Work train service	-	-	9 391 931	42 696 564	-	-	-	-	-	-
TOTAL	6 998	6 998	502 097 526	2 282 580 542	-	-	25 290 900	114 974 708	-	-
Cost at distributing point** - \$	443 047	443 047	539 228 451	539 228 451	-	-	20 159 248	20 159 248	-	-
Average unit cost*** - ¢	6.33	6.33	109.29	24.04	-	-	79.71	17.53	-	-

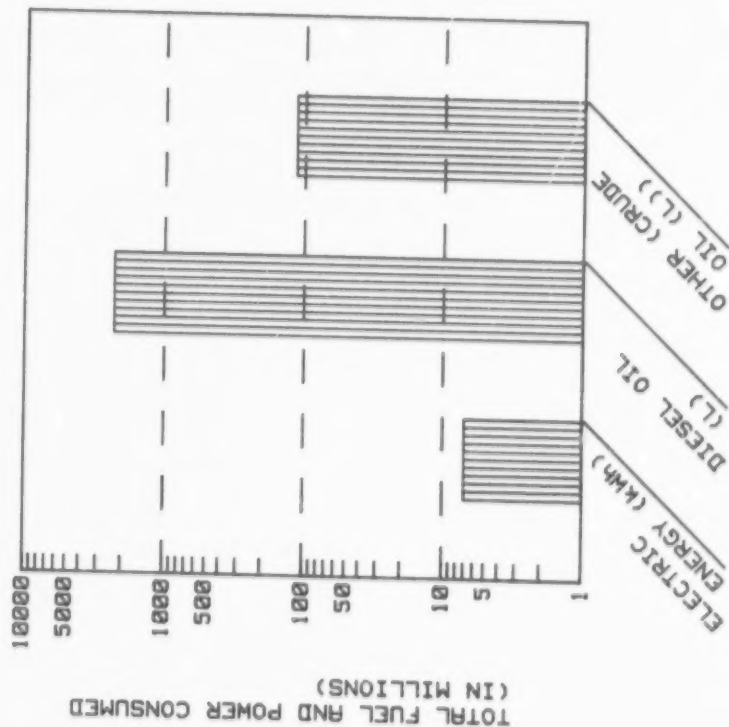
NOTE: *Excludes the statistics of White Pass and Yukon Route, Canada Southern Railway Company and St. Lawrence and Adirondack Railway Company.

**Due to non-availability of financial detail, costs relating to fuel consumed by the Carter Railway are excluded.

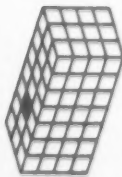
***Amount of diesel fuel consumed by Cartier Railway has been excluded when calculating average unit cost.

SOURCE: RAILWAY TRANSPORT, Part III Equipment, track and fuel statistics 1979, Catalogue 52-209, Annual, Statistics Canada, Ottawa, Ontario, April 1981, p. 26.

Figure RaP 5B — Canadian Railways, Fuel and Power Consumed by Motive Power Equipment, 1981



VARIOUS TYPES OF FUEL AND POWER



Rail

Table RaP 6 - Accidents at Railway/Road Crossings in Ontario, Involving Single Motor Vehicle or Motor Vehicle with Another Vehicle and/or Motor Vehicle with Train, 1974-1982

NUMBER OF: Total	1974		1975		1976		1977		1978		1979	
	Total	With railroad train**	Total	With railroad train**	Total	With railroad train**	Total	With railroad train**	Total	With railroad train**	Total	With railroad train**
Accidents	936	366	878	328	861	321	898	275	733	237	794	257
Fatal Accidents	38	34	26	22	29	28	24	22	29	28	27	21
Personal Injury	328	137	309	125	276	116	288	98	259	94	287	106
Property Damage	570	195	543	181	556	177	586	155	445	115	480	130

NUMBER OF: Total	1980		1981		1982	
	Total	With railroad train**	Total	With railroad train**	Total	With railroad train**
Accidents	732	228	711	238	665	197
Fatal Accidents	17	17	21	20	20	17
Personal Injury	280	93	263	95	250	78
Property Damage	435	118	428	122	395	102

NOTE: **Total motor vehicle accidents at railway/road crossings.

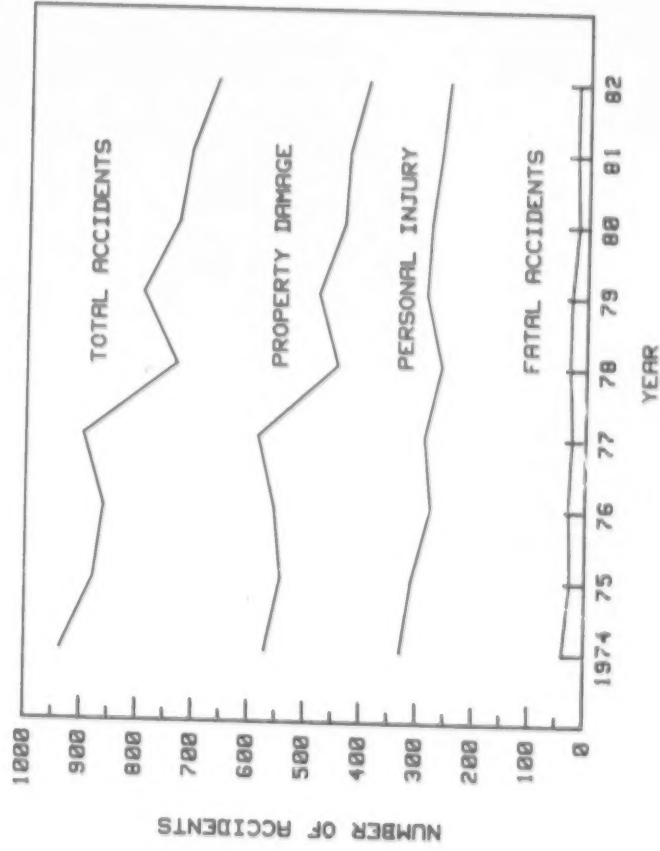
**Number of accidents at railway/road crossings involving motor vehicle and railroad train only.

Mandatory usage of seat belts in Ontario came into effect on January 1, 1976. Statistical data of passenger seat belt usage prior to 1976 is not available.

SOURCE:

- MOTOR VEHICLE COLLISION FACTS 1974, Ontario Ministry of Transportation and Communications.
- MOTOR VEHICLE ACCIDENT FACTS 1975, 1976, 1977, 1978, 1979, Ontario Ministry of Transportation and Communications.
- ONTARIO MOTOR VEHICLE ACCIDENT FACTS 1980, 1981, 1982, Ontario Ministry of Transportation and Communications.

Figure RaP 6 – Accidents at Railway/Road Crossings in Ontario, 1974–1982 (Total Accidents)



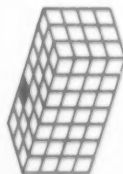


Table RaF 1 - Summarized Statement of Consolidated Income of Canadian Pacific Limited, 1979-1982

	For the Year ended December 31			
	1982	1981	1980	1979
	(in thousands)			
	(in millions)			
CP Rail (Note 1)				
Revenues	\$ 2 147 074	\$ 2 070 977	\$ 1 775 593	
Expenses including income taxes	2 029 201	1 943 809	1 651 958	
Net income	117 873	127 168	123 635	\$ 108.7
CP Air				
Revenues	860 734	877 572	698 251	
Expenses including income taxes	915 426	845 047	691 412	
Preference dividend	(34 692)	(17 495)	6 899	
Net income	4 522	5 286	3 986	
	(39 214)	(22 781)	2 853	13.1
CP Ships				
Revenues	269 939	356 203	388 775	
Expenses including income taxes	289 976	292 421	284 415	
Net income	(120 035)	43 782	52 360	26.3
CP Trucks				
Revenues	291 762	291 546	243 240	
Expenses including income taxes	290 211	286 080	244 767	
Net income	1 551	5 466	(1 527)	(1.8)
Sea Line Railroad Company				
Revenues	367 761	414 375	380 067	
Expenses including income taxes	343 270	373 021	338 631	
Minority interest	74 491	61 514	61 436	
Net income	10 822	18 356	18 360	
	13 499	23 008	23 074	17.8
CP Telecommunications				
Revenues	152 437	156 898	123 896	
Expenses including income taxes	147 343	151 962	118 181	
Net income	5 094	4 936	4 935	6.0
Miscellaneous				
Net income	9 377	16 993	14 898	3.5
Transportation and Miscellaneous				
Net income	82 294	188 372	220 210	
Canadian Pacific Enterprises Limited (Note 2)				
Revenues	8 404 463	8 358 159	6 459 250	
Expenses including income taxes	8 295 839	7 934 283	5 916 723	
Minority interest	198 924	624 876	740 325	
Net income	92 824	327 469	377 370	
	104 080	287 007	362 847	334.5
Net income	\$ 180 294	\$ 483 379	\$ 583 127	\$ 908.1
Earnings per Ordinary Share	\$ 2.60	\$ 4.75	\$ 8.11	

SOURCE: 1. CANADIAN PACIFIC/ANNUAL REPORT 1980
2. ANNUAL REPORT 1982, Canadian Pacific Limited

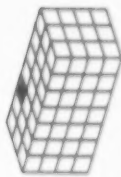


Figure RaF 1 - Summarized Statement of Consolidated Income of Canadian Pacific Limited, 1979-1982

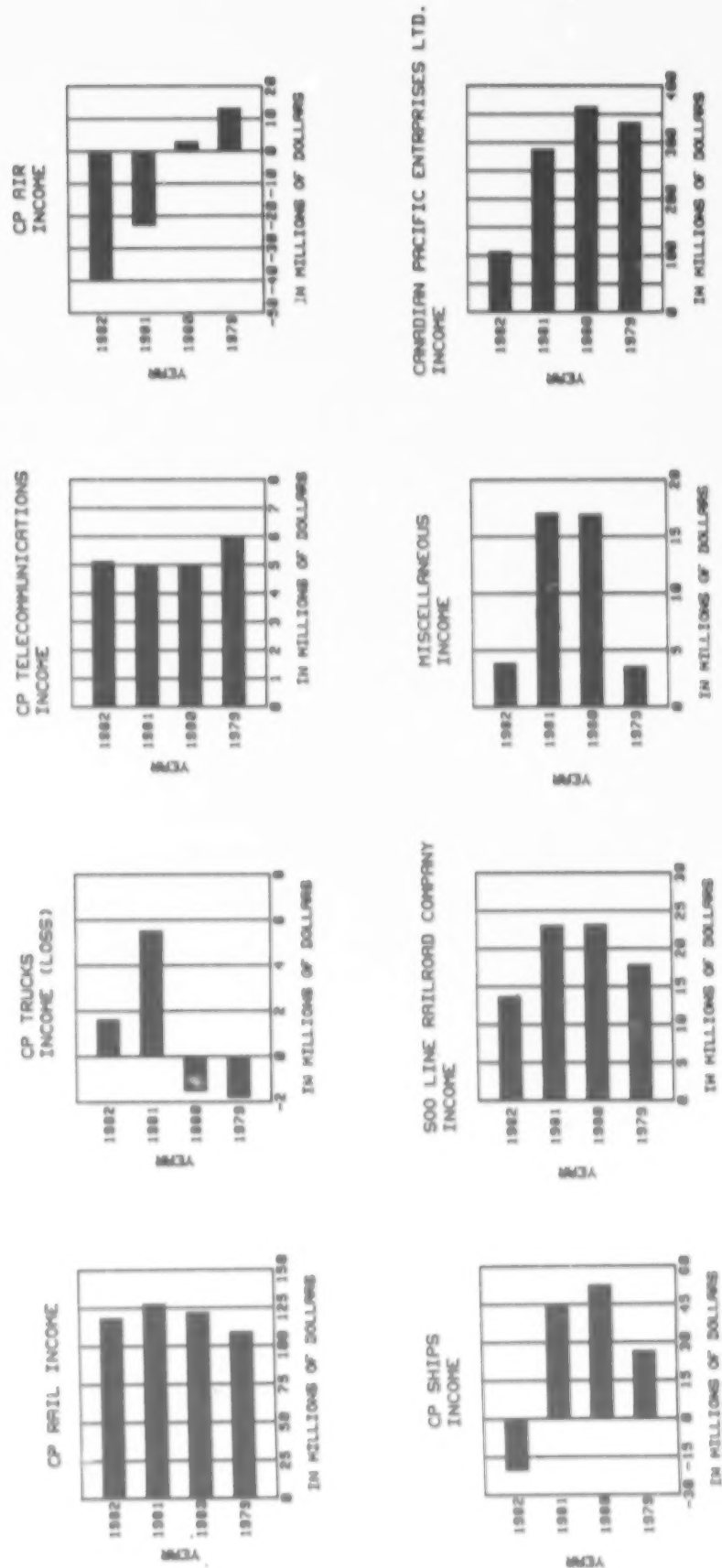




Table RaF 2 – Consolidated Statement of Income of Canadian National Railway System, 1978–1982

SOURCE: 1. ANNUAL REPORT 1979, CANADIAN NATIONAL
2. CANADIAN NATIONAL ANNUAL REPORT 1989

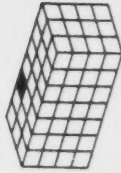
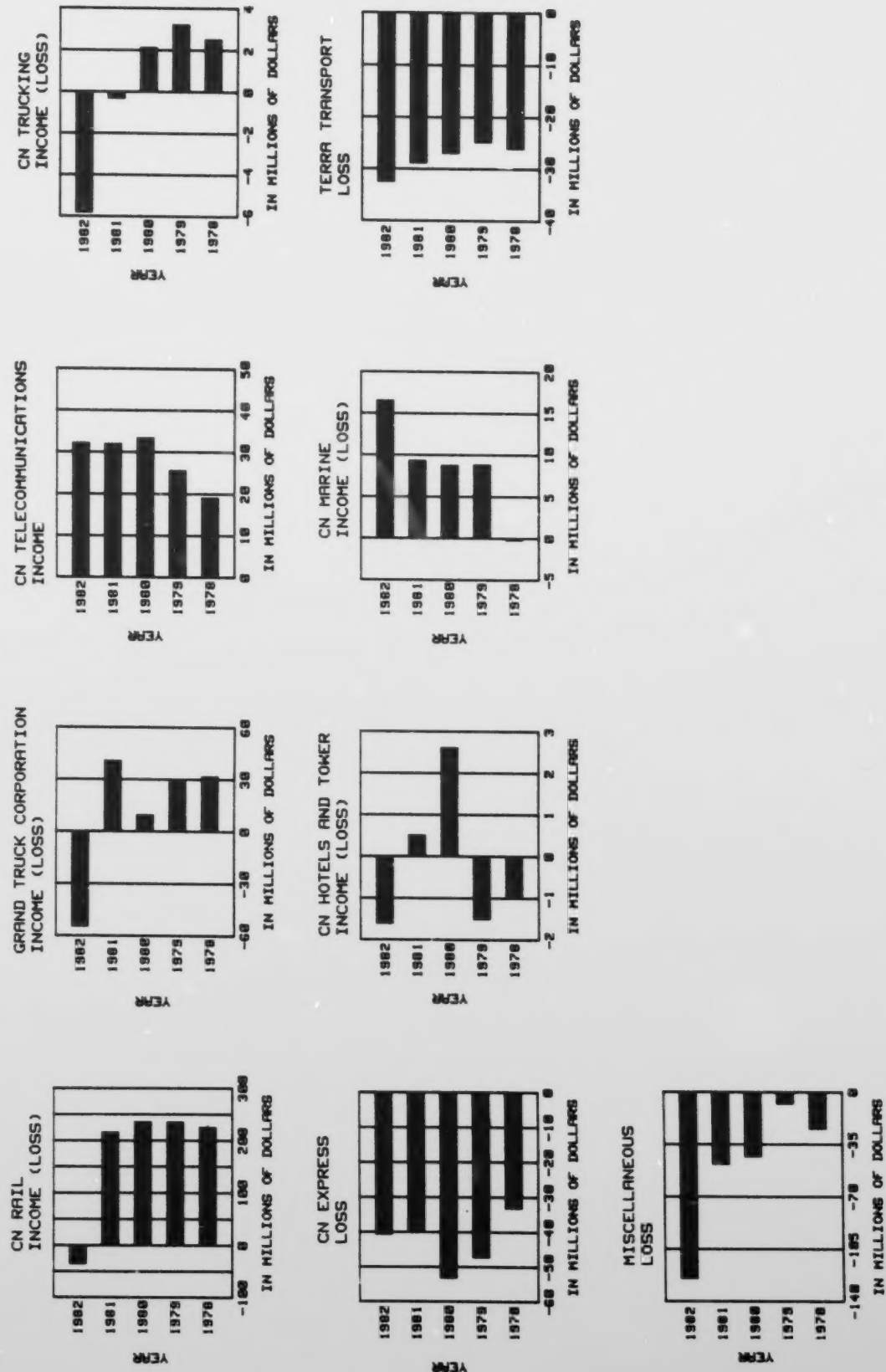
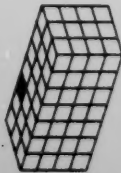


Figure RaF 2 - Canadian National Railway System - Operations, 1978-1982





Rail

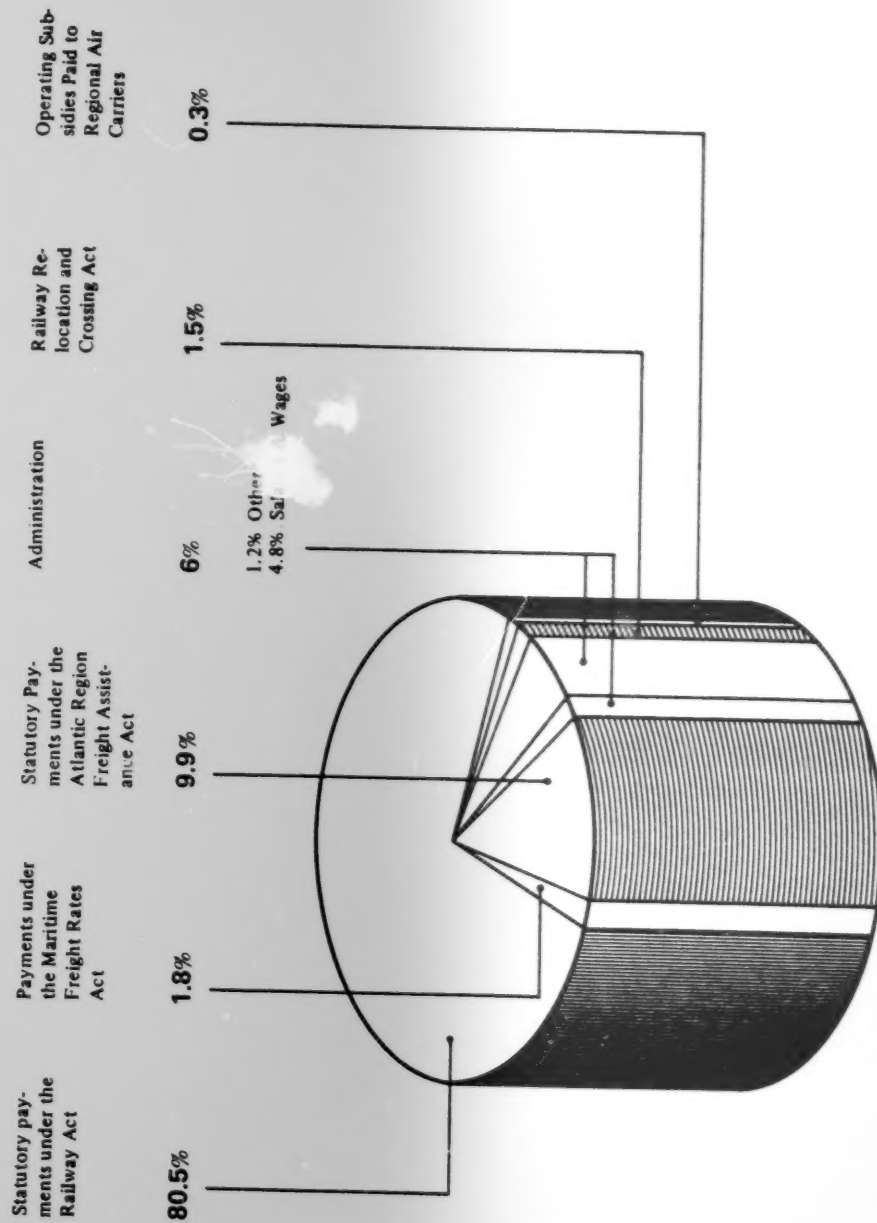
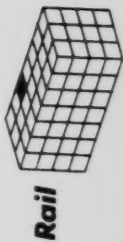
Table RaF 3 -- Estimated Budgetary Expenditures for Calendar Year 1982*

Statutory pay- ments under the Railway Act	Payments under the Maritime Freight Rates Act	Statutory Pay- ments under the Atlantic Region Freight Assist- ance Act	Administration	Railway Re- location and Crossing Act Carriers	Operating Sub- sidies Paid to Regional Air
\$469 955 000 (\$316 329 000)	\$10 553 000 (\$ 9 986 000)	\$58 133 000 (\$53 150 000)	\$35 098 000 (\$30 136 000)	\$8 551 000 (\$6 117 000)	\$1 605 000 (\$1 128 000)

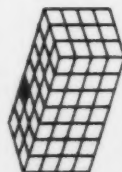
*NOTE: Figure for 1981 in brackets.

SOURCE: ANNUAL REPORT 1982, Canadian Transport Commission, Catalogue No. TT1-1982, p.6.

Figure RaF 3 – Estimated Budgetary Expenditures for Calendar Year 1982



Source: Annual Report 1982, Canadian Transport Commission, Catalogue No. TT1-1982, p.6.



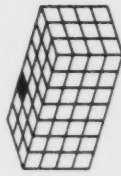
Rail

Table RaF 4 - Government Payments to Ontario Northland Railway (\$'000), 1974-1982

Year	Ontario Government			Federal Government	
	Cochrane-Moosonee Branch Line	Main-Line Passenger Train	Northlander	Rail Passenger	Northlander
1974	1427	1481	-	190	-
1975	2451	2017	-	238	-
1976	2070	2215	-	744	-
1977	2640	2191	3790	677	118
1978	3529	3292	3611	454	860
1979	3843	3590	3111	374	1396
1980	5569	4610	4851	-	331*
1981	6489	5241	4354	1203	-
1982	6953	5464	3950	-	-

* Accounted for on The Cash basis. Effective April 1, 1980, payment made directly to Ministry of Northern Affairs.

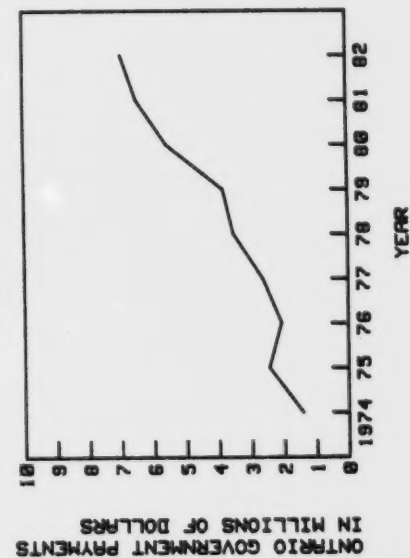
SOURCE: Ontario Northland Transportation Commission Annual Report.



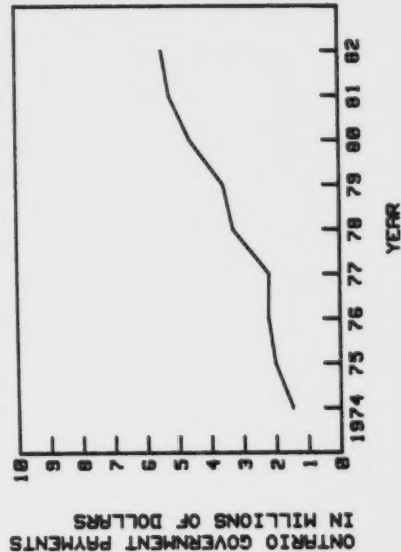
Rail

Figure RaF 4 -- Government Payments to Ontario Northland Railway (\$'000), 1974 - 1982

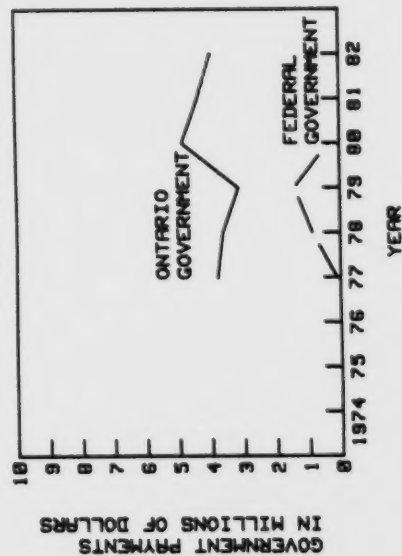
COCHRANE-MOOSONEE
BRANCH LINE



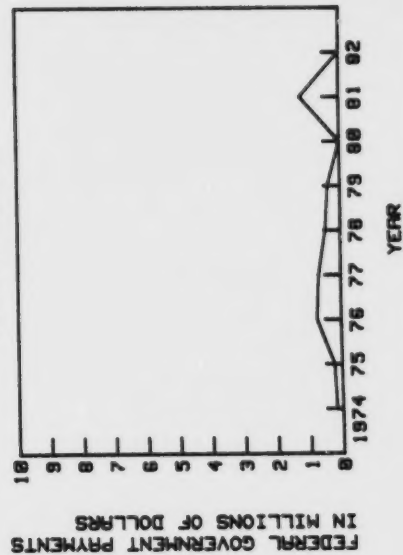
MAIN LINE PASSENGER TRAIN

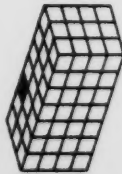


NORTHLANDER



RAIL PASSENGER



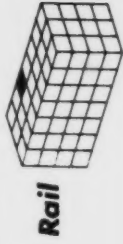


Rail

Table RaF 5 - Algoma Central Railway: Selected Rail Statistics ('000), 1971-1982

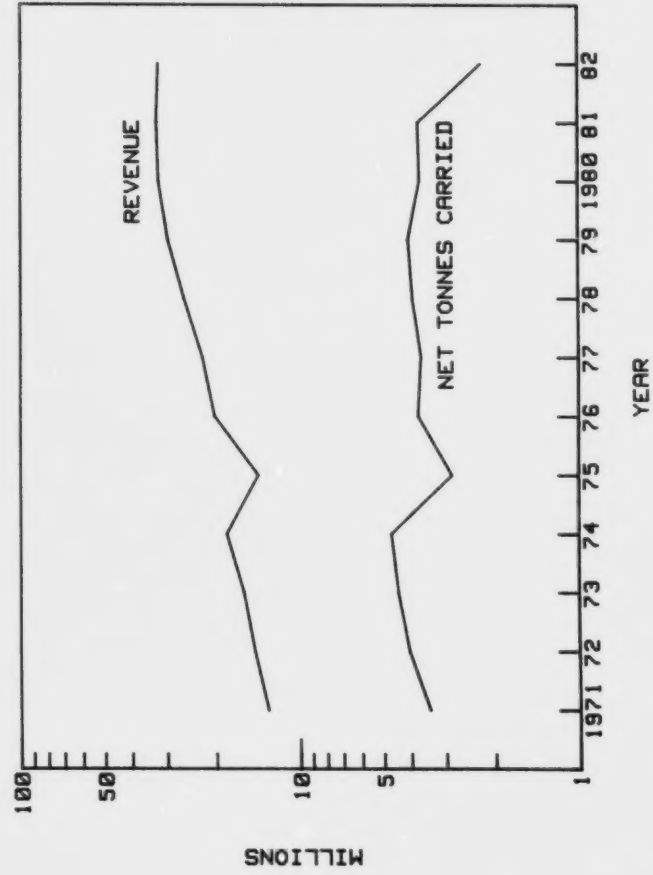
Year	Revenue \$	Net Tonnes Carried	Capital Expenditures \$	Net Fixed Assets \$
1971	13 014	3431	438	19 004
1972	14 540	4059	727	18 300
1973	15 905	4437	925	17 972
1974	18 285	4695	1 231	17 452
1975	14 063	2845	487	16 495
1976	20 208	3749	1 995	16 891
1977	22 345	3662	1 266	16 458
1978	26 028	3932	3 663	18 709
1979	29 740	4067	3 724	20 814
1980	32 102	3698	3 204	22 309
1981	32 603	3744	10 094	30 439
1982	32 100	2235	4 068	32 168

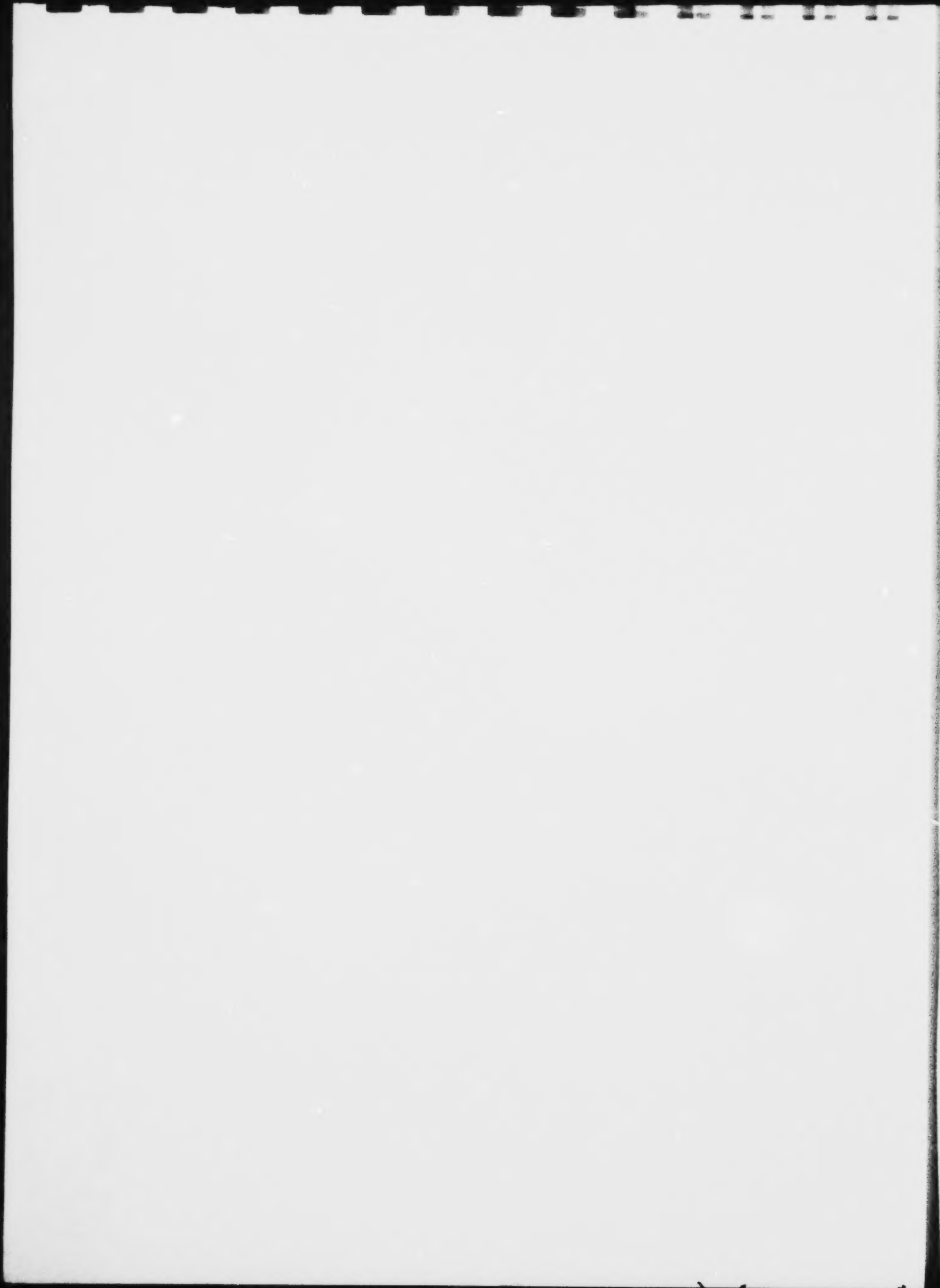
SOURCE: ALGOMA CENTRAL RAILWAY ANNUAL REPORT.



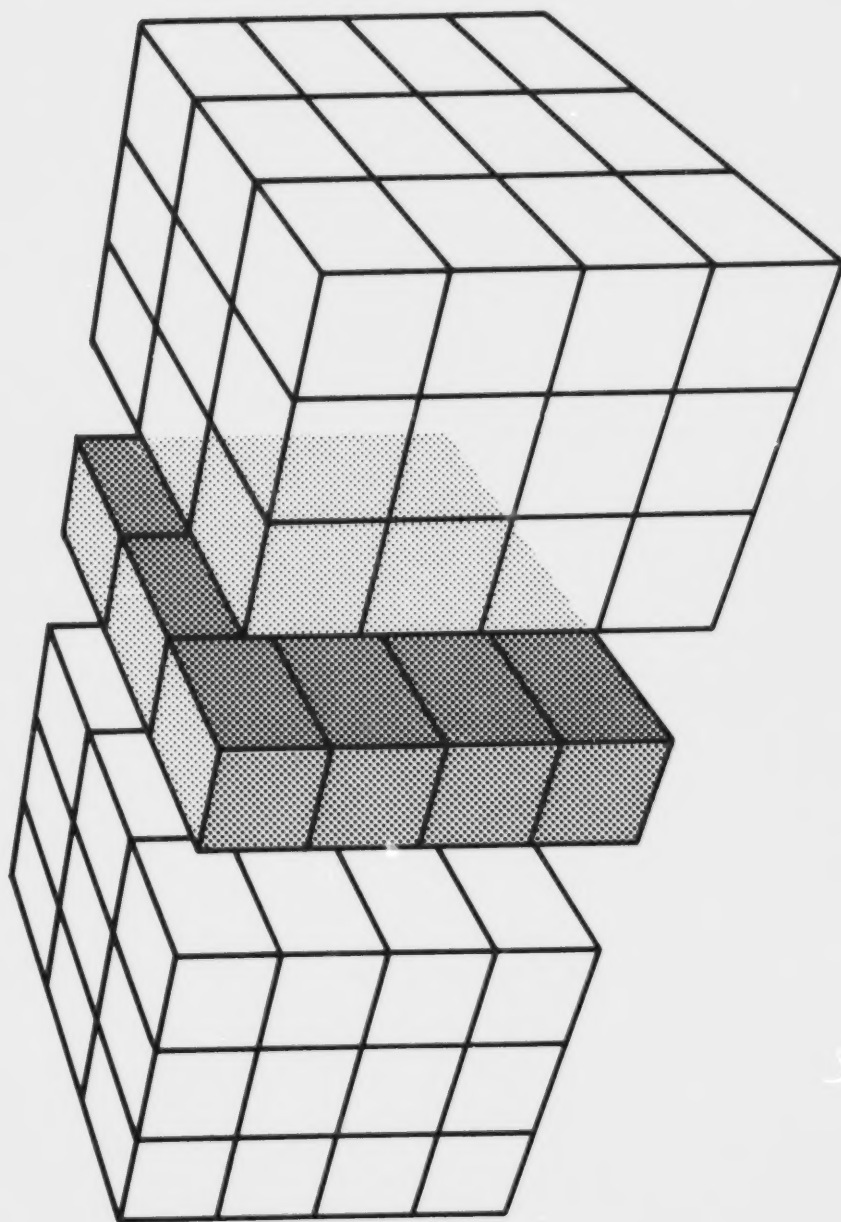
Rail

Figure RaF 5 — Algoma Central Railway: Selected Rail Statistics, 1971–1982





Air



4. Air

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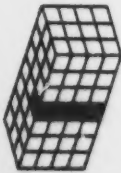


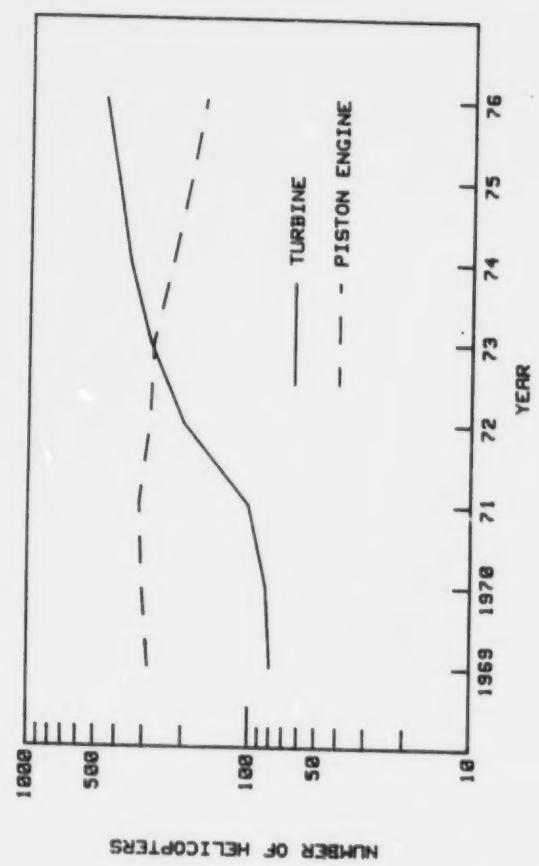
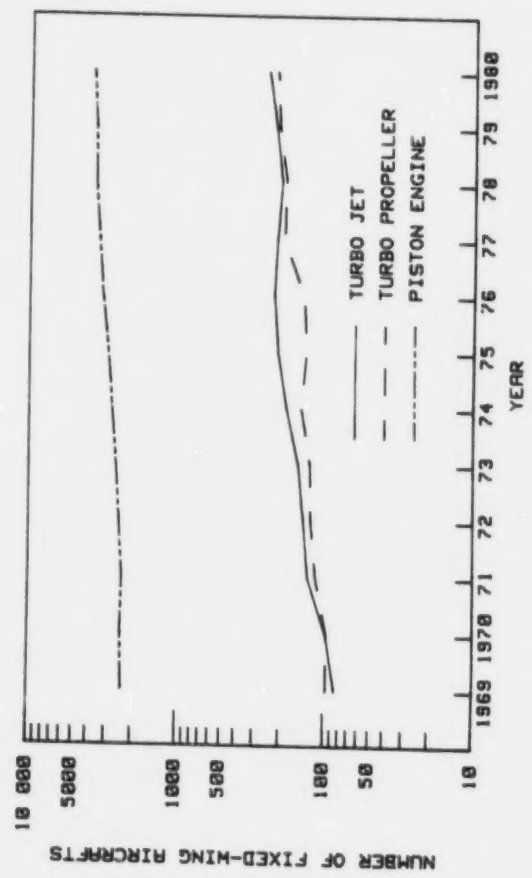
Table A1 1 - Canadian Commercial Air Carrier Fleet by Type of Power Plant, 1969-1980

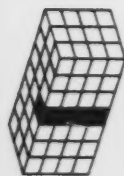
YEAR *	FIXED-WING AIRCRAFT				HELICOPTERS		
	Turbo Jet	Turbo Prop.	Piston Engine	Total	Turbine	Piston Engine	Total Air Carriers in Fleet
1969	85	97	2335	2517	80	286	366
1970	98	97	2395	2590	84	305	389
1971	130	115	2354	2599	101	315	416
1972	139	124	2462	2725	200	284	484
1973	151	126	2593	2870	285	274	559
1974	182	144	2765	3091	355	226	581
1975	209	134	2945	3288	405	190	595
1976	222	140	3217	3579	465	163	628
1977	213	192	3421	3826	-	-	687
1978	201	188	3632	4021	-	-	717
1979	221	211	3652	4082	-	-	818
1980	249	218	3806	4273	-	-	873
							5146

NOTE: *Figures are as of July 15 of year indicated.

SOURCE: Service Bulletin, AVIATION STATISTICS CENTRE, Catalogue 51-004, Vol. 13, No. 4, Statistics Canada, Ottawa, Ontario, April 1981, p.2.

Figure AI 1 - Canadian Commercial Air Carrier Fleet by Type of Power Plant - Fixed-Wing Aircraft and Helicopters, 1969-1980





Air

Table AI 2 - Aircraft and Related Industry; Aircraft Engines and Engine Parts Manufacturers; Aircraft Parts and Auxiliary Equipment Manufacturers in Ontario, 1981 and 1983

COMPANY	LOCATION	PRODUCT AND/OR SERVICES	TOTAL EMPLOYEES	
			1981	1983
A. AIRCRAFT AND RELATED INDUSTRY IN ONTARIO				
1. Aeroblimp Incorporated	Guelph	Hot air balloons, aerodynamic balloons (blimps) custom inflatables, electronic devices	6	6
2. The de Havilland Aircraft Company of Canada, Limited	Downsview	STOL and transport aircraft	5100	4200
3. Textron Canada Limited Bell Aerospace Canada Div.	Grand Bend	Air cushion vehicles	91	95
4. Zenair Limited	Nobelton	Kits for home-built airplanes, wooden propellers for airplanes, handgliders and hovercrafts, custom aircraft work	8	13
B. AIRCRAFT ENGINES AND ENGINE PARTS MANUFACTURERS IN ONTARIO				
1. AGM Machine and Parts Limited	Rexdale	General machine shop and custom machining for the aircraft industry, parts for military vehicles	28	21
2. Hawker Siddeley Canada Inc. Orenda Division	Mississauga	Industrial and aviation gas turbine engines, precision manufacturing, printing and graphics	739	783
3. Lakehead Diesel and Hydraulics Limited	Thunder Bay	Service and rebuilding of all makes of diesel fuel injection equipment, hydraulic pumps, motors and valves, air starters, turbochargers	22	25
4. Space Tech Industries Limited	Aurora	Aircraft parts	60	NA
5. Walbar of Canada Incorporated	Mississauga	Jet aircraft engine parts	496	170

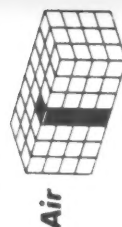
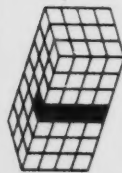


Table AI 2 - Aircraft and Related Industry; Aircraft Engines and Engine Parts Manufacturers; Aircraft Parts and Auxiliary Equipment Manufacturers in Ontario, 1981 and 1983 (Continued)

C. AIRCRAFT PARTS AND AUXILIARY EQUIPMENT MANUFACTURERS IN ONTARIO

COMPANY	LOCATION	PRODUCT AND/OR SERVICES	TOTAL EMPLOYEES 1981 1983	COMPANY	LOCATION	PRODUCT AND/OR SERVICES	TOTAL EMPLOYEES 1981 1983
1. A & B Centerless Grinding Ltd.	Weston	Precision aircraft parts, grinding.	12 7	11. Dowdy Equipment of Canada Ltd.	Ajax	Aircraft landing gear and hydraulic equipment, industrial hydraulic equipment, engineered systems and components, variable speed hydro-static transmission drives.	188 253
2. ARO Canada Incorporated	Rexdale	Air tools, cylinders and valves, automotive lubricating equipment, industrial pump equipment, automatic gluing systems - cold and hot-melt, pneumatic logic controls, aircraft oxygen, cryogenic and environmental equipment.	75 73	12. Ehlers Manufacturing Ltd.	Mississauga	Automated precision machining, aircraft and nuclear parts, tools, fixtures.	15 15
3. Atlantis Flight Research Inc.	Downsview	Aircraft test equipment, computer assisted training aids, simulator systems.	9 11	13. Electronic Illumination Ltd.	Scarborough	Instrument and aircraft panels and dials, graphics, signs, photomarking, silk screening, engraving and plastic fabricating.	17 17
4. Automatic Metal Stamp Co. Inc.	Vaughan	Tools, dies, automotive and aircraft parts, brake shoes.	14 29	14. Field Aviation Co. Ltd.	Mississauga	Aircraft parts, seats and interiors, membrane tank water bombing systems and other aerial fire fighting kits, geophysical survey system installations, airframe modification, conversion and overhaul.	60 80
5. Bachan Aerospace of Canada Ltd.	Emeryville	Aerospace gearboxes, gears, CNC turning milling, precision machining.	80 85	15. Genaire Limited	St. Catharines	Skis and pallets, radomes.	70 70
6. Baeumler Quality Sheet Metal Limited	Mississauga	Custom aircraft and industrial sheet metal work.	13 10	16. Ingadale Precision Products Limited	Scarborough	Tools, dies and parts for airborne equipment, custom machining, mass production parts and stampings.	83 83
7. Bayview Metals	Scarborough	Precision sheet metal for aircraft and electronics industries.	8 8	17. J & M Machine and Tool Co.	Mississauga	Jigs, fixtures, precision and general machining - special aircraft parts.	6 6
8. Boeing of Canada Limited Amprior Division	Amprior	Aircraft spares, tools and ground handling equipment, also extensive machine shop capability for production, repair and overhaul of helicopter airframes and components	420 320	18. K & U Manufacturing Ltd.	Brampton	Equipment for steel mills, tools and parts for aircraft.	6 20
9. Carl Aircraft Components Manufacturing Limited	Mississauga	Aircraft components.	10 10	19. Konput Machine Co. Ltd.	Mississauga	General machining, aircraft parts.	3 3
10. Chicopee Manufacturing Ltd.	Kitchener	Precision machining of complex components and assemblies in aluminum, titanium and high strength steel alloys for the aerospace, electronic and other industries specializing in numerical control three dimensional contour milling.	170 170	20. Leavens Service and Overhaul Limited, Machine Shop Division	Mississauga	Medical equipment, aircraft ground handling equipment, aircraft parts-machined, cable-swaging, special machines, jigs and fixtures, general machine shop, depleted uranium shielding.	60 60

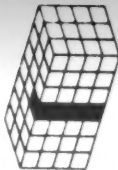


Air

Table A1 2 - Aircraft and Related Industry; Aircraft Engines and Engine Parts Manufacturers; Aircraft Parts and Auxiliary Equipment Manufacturers in Ontario, 1981 and 1983 (Continued)

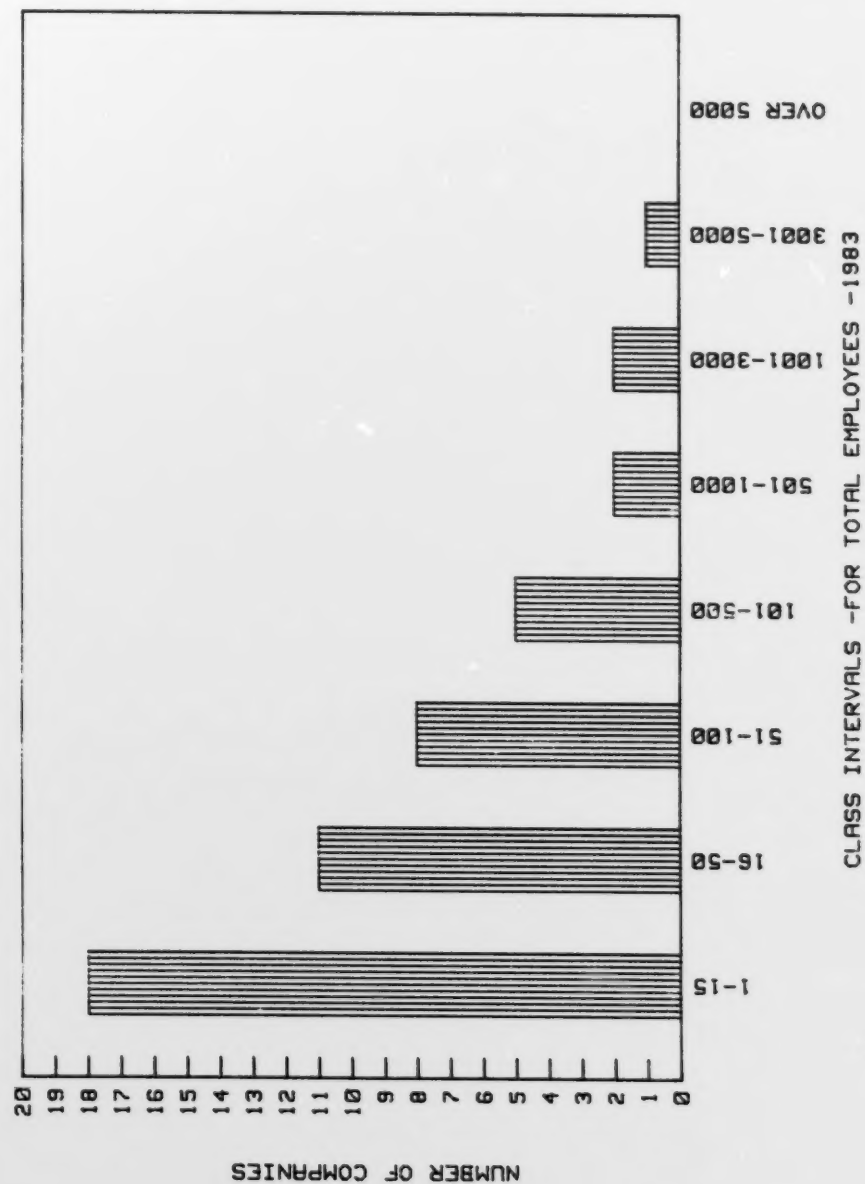
COMPANY	LOCATION	PRODUCT AND/OR SERVICES	TOTAL EMPLOYEES 1981 1983	COMPANY	LOCATION	PRODUCT AND/OR SERVICES	TOTAL EMPLOYEES 1981 1983
21. M.B.M. Tool and Machine Company Limited	Downsview	Aircraft parts.	47 47	33. Spar Aerospace Limited	Toronto	Remote manipulator systems for space and ground applications; light weight deployable structures for space and ground applications; satellites, satellite subsystems and land-based earth stations; infra-red surveillance systems; electro-optical systems; transmission systems and equipment; gearboxes; astrophoto and conventional graphic maps.	2050 2050
22. Marcelissen Machining Inc.	Stoney Creek	Aircraft components.	5 5	34. Stratoflex of Canada, Ltd.	Toronto	Flexible hose assemblies, hose fittings (aircraft and industrial), industrial hydraulic equipment.	48 48
23. McDonnell Douglas Canada Ltd.	Mississauga	Aircraft components.	5300 2324	35. T.F.I. Fastener Corporation	Mississauga	Aerospace fasteners.	40 44
24. Merco Industries Limited	Weston	Aircraft parts.	23 15	36. 390981 Ontario Limited, Presco Manufacturing Co.	Pickering	Tools and aircraft parts.	7 7
25. M-S Precision Company Ltd. (in 1981) Dovaston Industries Inc. (in 1983)	Mississauga	Aircraft defense and commercial parts, special purpose machines, precision machinery.	40 39	37. 371892 Ontario Limited, Airtech Canada	Peterborough	Aircraft rebuilding and maintenance.	7 7
26. Northern Precision Industries	Rexdale	Machining for aircraft, aerospace, automotive industries, grinding polygon profiles, seamless facia machine.	37 13	38. Ultraflight Manufacturing Limited	Port Colborne	Microflight aircraft kits and accessories.	25 30
27. Post Machine Company	Toronto	Jobbing for aircraft, general machine shop.	3 15	39. W.R.D. Manufacturing Limited	Mississauga	Petroleum and aircraft ground refuelling equipment, injection units, aviation ground support equipment, atomic energy equipment.	15 15
28. Precision Small Parts Ltd.	Thornhill	Precision machined components and assemblies for nuclear, aerospace, computer and electronic industries.	100 100	40. Malco Custom Machining	Brampton	Aircraft parts.	2 2
29. Price and Knott Manufacturing Company Limited	West Hill	Precision sheet metal work for aircraft industry, and machined items.	52 42	41. Williams Machines Limited	Cambridge	Special machines, aircraft parts, jigs and fixtures, weld fabrication, general machining.	183 193
30. Rel Industrial Enterprises Limited	Rexdale	Instrument components, precision machining to military specs and aircraft components for the aircraft industry.	27 27			TOTAL	10 314 7383
31. Ro-Star Precision Inc.	Weston	Jigs and fixtures, aviation components.	16 NA				
32. Ronyx Corporation Limited Fleet Industries Division	Fort Erie	Aircraft structures and components, radar antenna systems, satellite structures, design and manufacture of sonar mechanical systems.	968 794				

SOURCE: 1. Scott's Industrial Directory Ontario Manufacturers, 13th Edition, Published by Penstock Publications Limited, Oakville, Ontario 1981.
2. Scott's Industrial Directory Ontario Manufacturers, 14th Edition, 1983 - 1984, published by Scott's Industrial Directories, Oakville, Ontario.



Air

Figure AI 2 - Aircraft and Related Industry; Aircraft Engines and Engine Parts Manufacturers; Aircraft Parts and Auxiliary Equipment Manufacturers in Ontario, 1981 and 1983, Employee Size Range



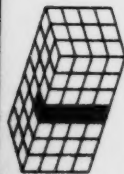
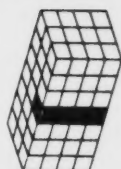


Table AI 3 — Total Domestic and International Scheduled Air Services, by Country, 1975 and 1977

		CANADA	U.S.	AUSTRALIA	FRANCE	W. GERMANY	ITALY	JAPAN	U.K.
Passenger capacity available in thousands	75 77	28 815 28 270	381 157 430 793	17 548 17 946	21 855 24 889	17 035 18 486	14 416 15 707	45 468 53 996	30 125 32 472
Tonne-km available in millions	75 77	6 148 6 265	68 991 76 344	3 463 3 590	5 660 6 915	3 978 4 567	2 437 2 813	6 273 7 587	6 522 7 670
Aircraft kms in millions	75 77	302 282	3 605 3 892	207 187	252 270	174 182	133 138	268 297	315 335
Aircraft departures in thousands	75 77	379 348	4 704 4 934	249 247	246 256	177 181	172 167	313 346	397 413
Pass. capacity available/aircraft departure	75 77	76 81	81 91	70 73	89 97	96 102	84 94	145 156	76 79
Tonne-km available/aircraft departure	75 77	16 222 18 003	14 666 15 471	13 908 14 534	23 008 27 012	22 475 25 232	14 169 16 844	20 042 21 928	16 428 18 571
Number of major international airports	75 77	4 4	12 11	5 6	8 9	11 11	N/A 2	2 2	4 4
Major international airports per 10 million persons	75 77	1.8 1.7	.6 .5	3.7 4.3	1.5 1.7	1.8 1.8	N/A .4	.2 .2	.7 .7
Aircrafts (9000 kg+) per million persons	75 77	21 26	25 26	12 11	5 6	2 3	3 N/A	2 2	9 10
Aircrafts (total commercial) per million persons	75 77	770 874	904 974	320 361	116 120	98 108	31 N/A	10 11	85 91
Seats available/capita (per year)	75 77	1.3 1.2	1.8 2.0	1.3 1.3	.4 .5	.3 .3	.3 .3	.4 .5	.5 .6

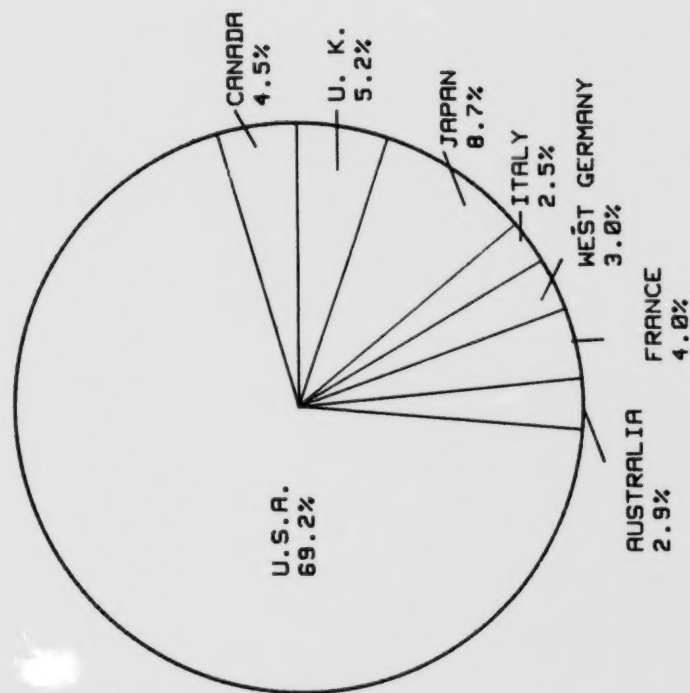
SOURCE: International Civil Aviation Organization, 1975, 1977, as shown in PASSENGER AND GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON, 1960 - 1977, Transport Canada, Strategic Planning, Catalogue No. 122-53/1981, Place de Ville, Ottawa, Ontario K1A 0N5, May 1981.



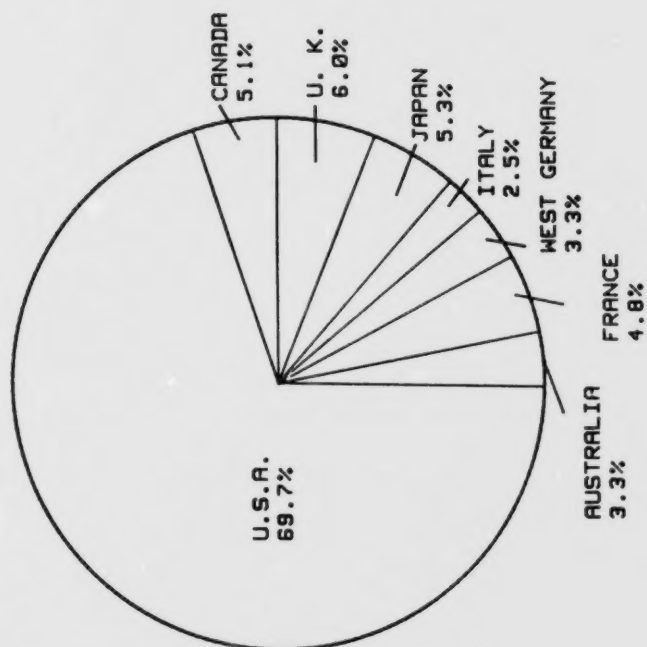
Air

Figure AI 3 - Distribution of Air Passenger Capacity and Aircraft Kilometres as a Percentage, by Selected Country, 1977

1. AVAILABILITY OF AIR PASSENGER CAPACITY



2. AIRCRAFT KILOMETRES



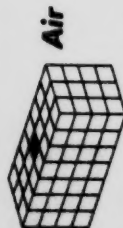
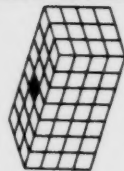


Table AP 1 - Air Passenger Origin and Destination, Canada - United States, Outbound or Inbound Journeys, Directional Origin and Destination - Ontario Airports, 1978 and 1979

ONTARIO AIRPORT	1978 PASSENGERS			1979 PASSENGERS		
	OUTBOUND	INBOUND	TOTAL	OUTBOUND	INBOUND	TOTAL
1. Atikokan*	30	20	50			
2. Attiwapiskat*		10	10			
3. Chapleau*	30	20	50			
4. Dryden	360	210	570	20	20	40
5. Earleton*	70	50	120	550	530	1 080
6. Elliot Lake*	70	90	160	20	20	40
7. Fort Frances*	20	40	60	130	100	230
8. Hamilton	5 520	5 190	10 710	10	10	20
9. Kapuskasing*	240	190	430	7 670	7 410	15 080
10. Kenora*	10	10	20	270	210	480
11. Kingston*	90	110	200			
12. Kirkland Lake*	70	90	160	20	40	60
13. London	17 710	18 620	36 330	80	100	180
14. Moosonee*	30	30	60	19 080	18 540	37 620
15. North Bay	3 560	3 450	7 010			
16. Ottawa International	101 440	101 620	203 060	5 820	5 310	11 130
17. Pembroke*	200	250	450	115 760	114 840	230 600
18. Peterborough*	90	130	220	110	110	220
19. Pickle Lake*		10	10	110	90	200
20. Red Lake*	10	30	40	40	50	90
21. St. Catharines				110	110	220
22. Sarnia	700	700	1 400		10	10
23. Sault Ste. Marie	3 650	3 010	6 660	580	650	1 230
24. Sioux Lookout*	10	10	20	4 640	4 460	9 100
25. Sudbury	5 580	5 710	11 290			
26. Thunder Bay	15 260	14 420	29 680	7 450	6 960	14 410
27. Timmins	2 490	2 340	4 830	15 720	15 220	30 940
28. Toronto	1 291 230	1 313 730	2 604 960	2 640	2 680	5 320
29. Wawa*	80	40	120	1 420 510	1 445 390	2 865 900
30. Windsor	1 750	1 590	3 340	90	110	200
GRAND TOTAL	1 449 490	1 470 780	2 920 270	2 470	2 230	4 700
				1 603 160	1 624 430	3 227 590

NOTE: According to Statistics Canada, estimates of Directional Origin and Destination (DOD) totals which are less than 1000 are not regarded as being reliable or representative of the totals. Consequently, data for 18 airports marked with * should not be taken into account. These figures are omitted from the grand total.

SOURCE: AIR PASSENGER ORIGIN AND DESTINATION, Canada - United States Report 1979, Catalogue 51-205, Annual, Statistics Canada, Ottawa, Ontario, January 1981.



Air

Table AP 2 - Air Passenger Origin and Destination, Canadian Domestic Journeys, 1978 and 1979, Directional Origin and Destination
-Ontario Airports

ONTARIO AIRPORT	1978 PASSENGERS			1979 PASSENGERS		
	OUTBOUND	INBOUND	TOTAL	OUTBOUND	INBOUND	TOTAL
1. Atikokan	710	780	1 490	900	1 020	1 920
* 2. Attawapiskat				40	80	120
3. Chapleau	600	700	1 300	580	600	1 180
* 4. Dear Lake				10	10	20
5. Dryden	12 940	12 760	25 700	14 610	14 570	29 180
6. Earlton	1 320	2 940	4 260	1 570	1 760	3 330
7. Elliot Lake	2 460	2 950	5 410	2 860	3 380	6 240
* 8. Fort Albany	20	50	70	60	50	110
9. Fort Frances	2 120	2 700	4 820	2 550	2 980	5 530
10. Hamilton	48 770	48 540	97 310	48 600	49 230	97 830
11. Kapuskasing	5 880	5 990	11 870	7 010	7 120	14 130
12. Kenora	1 710	2 320	4 030	2 220	3 090	5 310
* 13. Kingston	50	80	130	40	80	120
14. Kirkland Lake	1 390	1 560	2 950	1 960	1 800	3 760
* 15. Kitchener/Waterloo					10	10
16. London	79 230	82 110	161 340	131 190	124 150	255 340
17. Moosonee	1 330	1 350	2 680	1 800	1 780	3 580
18. North Bay	27 430	27 290	54 720	47 660	43 260	90 920
* 19. Oshawa					10	10
20. Ottawa International	624 490	634 320	1 258 810	701 570	722 040	1 423 610
* 21. Pembroke	310	250	560	350	420	770
* 22. Peterborough	280	330	610	230	440	670
23. Pickle Lake	900	1 190	2 090	830	990	1 820
24. Red Lake	670	880	1 550	1 140	1 640	2 780
* 25. St. Catharines	10	10	20	10	10	20
26. Sarnia	8 790	9 360	18 150	9 530	10 400	19 930
27. Sault Ste. Marie	62 990	62 010	125 000	77 140	75 140	152 280
* 28. Sioux Lookout	40	40	80	40	60	100
29. Sudbury	79 020	76 740	155 760	112 730	102 300	215 030
30. Thunder Bay	159 230	155 350	314 580	210 250	203 120	413 370
31. Timmins	38 510	37 860	76 370	62 690	58 330	121 020
32. Toronto	1 932 840	1 962 560	3 895 400	2 393 010	2 479 740	4 872 750
33. Wawa	1 130	1 310	2 440	1 560	1 640	3 200
34. Windsor	117 000	117 380	234 380	173 760	175 050	348 810
* 35. Wink	20	30	50	80	100	180
GRAND TOTAL	3 211 460	3 250 420	6 461 090	4 007 720	4 085 130	8 092 850

NOTE: According to Statistics Canada, estimates of Directional Origin and Destination (000) totals which are less than 1000 are not regarded as being reliable or representative of the totals. Consequently, data for Ontario airports marked with * should not be taken into account. These figures are omitted from the grand total.

SOURCE: Air Passenger Origin and Destination, Domestic Report, 1979, Catalogue 51-204, Annual, Statistics Canada, Ottawa, Ontario, November 1980.

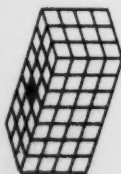
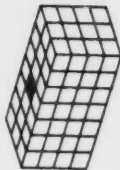


Table AP 3 - International and Mainline Domestic Departing Flights, by Selected City, Ontario, 1978

	Enplaned Load				Departing			
	No. of Flights	No. of passengers	Cargo		No. of passengers	Cargo		
			Matt ('000's Kg)	Matt ('000's Kg)		Matt ('000's Kg)	Matt ('000's Kg)	
HAMILTON								
Scheduled Services	2 254	54 652	38	238	104 461	60	546	
Domestic	1 725	54 602	38	238	104 411	60	546	
International	-	47 884	38	230	86 284	60	513	
U.S.	-	-	-	-	-	-	-	
Other	529	6 718	-	8	18 127	-	33	
International Charter	-	-	-	-	-	-	-	
		50	-	-	50	-	-	
OTTAWA INTERNATIONAL								
Scheduled Services	16 491	843 147	3 902	2 491	1 172 270	4 862	4 169	
Domestic	16 130	820 948	3 902	2 491	1 150 071	4 862	4 169	
International	-	795 763	3 859	2 442	1 120 860	4 804	4 092	
U.S.	-	-	-	-	-	-	-	
Other	361	25 185	43	49	29 211	58	77	
International Charter	-	-	-	-	-	-	-	
		22 199	-	-	22 199	-	-	
THUNDER BAY								
Scheduled Services	4 802	195 810	291	412	291 211	405	808	
Domestic	4 130	195 708	291	412	291 109	405	808	
International	-	184 683	274	395	280 084	388	791	
U.S.	-	-	-	-	-	-	-	
Other	672	11 025	17	17	11 025	17	17	
International Charter	-	-	-	-	-	-	-	
		102	-	-	102	-	-	
TORONTO INTERNATIONAL								
Scheduled Services	63 456	6 202 575	20 960	81 117	6 485 017	22 401	91 403	
Domestic	36 156	5 592 789	20 960	79 111	5 875 231	22 401	89 397	
International	3 777	3 251 564	16 234	49 592	3 475 835	17 469	54 634	
U.S.	23 523	581 511	2 444	20 635	596 803	2 475	23 565	
Other	-	1 759 714	2 282	8 884	1 802 593	2 457	11 198	
International Charter	-	-	-	-	-	-	-	
		609 786	-	2 006	609 786	-	2 006	
WINDSOR INTERNATIONAL								
Scheduled Services	2 609	137 010	276	827	159 309	367	963	
Domestic	2 603	123 255	276	825	145 554	367	961	
International	-	123 255	276	825	145 232	365	959	
U.S.	-	-	-	-	-	-	-	
Other	6	-	-	-	322	2	2	
International Charter	-	-	-	-	-	-	-	
		13 755	-	2	13 755	-	2	

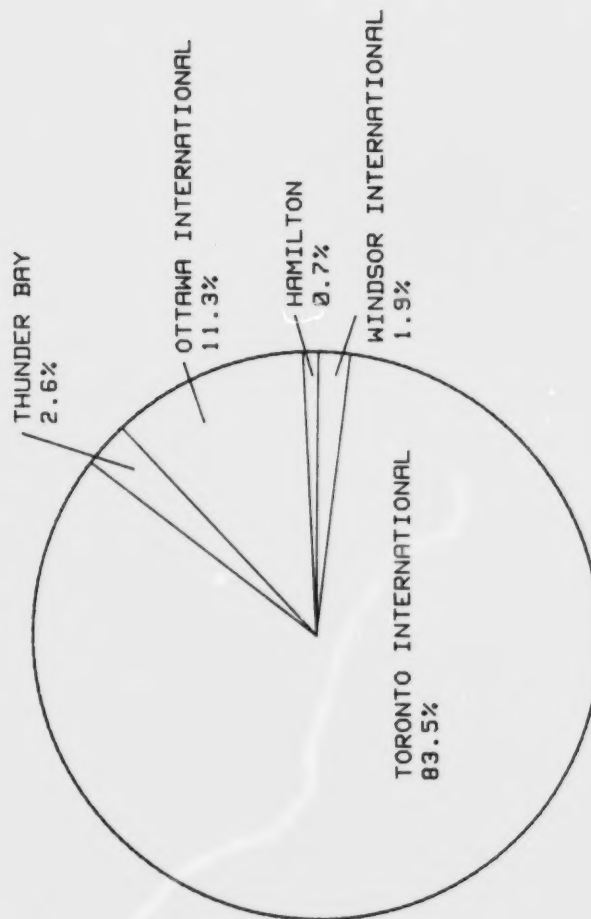
SOURCE: Statistics Canada, AIR CARRIER TRAFFIC AT CANADIAN AIRPORTS, 1978, Catalogue 51-203, as shown in ONTARIO STATISTICS 1980, Ministry of Treasury and Economics, p. 586.



Air

Figure AP 3 -- Enplaned Number of Passengers in International and Mainline Departing Flights, in Percentages, by Selected Cities,

Ontario, 1978



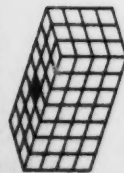


Table AP 4 - International and Mainline Domestic Arriving Flights, by Selected City, Ontario, 1978

	Number of Flights	Arriving Load			Deplaned Load		
		Number of passengers	Mail ('000s kg)	Cargo ('000s kg)	Number of passengers	Mail ('000s kg)	Cargo ('000s kg)
HAMILTON							
Scheduled Services	2 257	105 445	50	666	55 636	27	356
Domestic	1 734	105 396	50	666	55 587	27	356
International	-	89 191	50	444	48 968	27	214
U.S.	523	16 205	-	222	6 619	-	-
Other	-	-	-	-	-	-	-
International Charter	-	49	-	-	49	-	-
OTTAWA INTERNATIONAL							
Scheduled Services	16 451	1 175 702	3 297	4 574	846 573	2 339	2 893
Domestic	16 084	1 154 819	3 297	4 574	825 690	2 339	2 893
International	1	1 120 461	3 280	4 377	799 577	2 332	2 766
U.S.	366	34 264	17	197	26 113	7	127
Other	-	-	-	-	-	-	-
International Charter	-	20 883	-	-	20 883	-	-
THUNDER BAY							
Scheduled Services	4 811	289 142	709	1 771	193 737	594	1 376
Domestic	4 137	289 005	709	1 771	193 600	594	1 376
International	-	278 084	702	1 627	182 712	587	1 232
U.S.	674	10 921	7	144	10 888	7	144
Other	-	-	-	-	-	-	-
International Charter	-	137	-	-	137	-	-
TORONTO INTERNATIONAL							
Scheduled Services	63 416	6 502 369	16 033	93 754	6 220 403	14 592	83 468
Domestic	36 062	5 905 244	16 033	93 065	5 623 278	14 592	82 779
International	3 642	3 473 133	11 179	40 085	3 247 912	9 885	35 804
U.S.	23 712	607 080	1 192	12 855	590 476	1 100	12 258
Other	-	1 825 031	3 662	40 125	1 784 890	3 607	34 717
International Charter	-	597 125	-	689	597 125	-	689
WINDSOR INTERNATIONAL							
Scheduled Services	2 611	160 462	442	423	138 162	351	288
Domestic	2 610	146 519	442	421	124 219	351	286
International	-	146 502	442	421	124 219	351	286
U.S.	1	-	-	-	-	-	-
Other	-	17	-	-	-	-	-
International Charter	-	13 943	-	2	13 943	-	2

SOURCE: Statistics Canada, AIR CARRIER TRAFFIC AT CANADIAN AIRPORTS, 1978, Catalogue 51-203, as shown in ONTARIO STATISTICS 1980, Ministry of Treasury and Economics, p. 585.

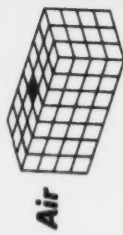
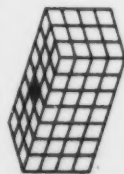


Table AP 5 -- Airports with Transport Canada Towers in Ontario -- Total Aircraft Movements by Class of Operation, 1980

ONTARIO AIRPORTS	TOTAL		-----ANNUAL 1980-----					
	ANNUAL 1979	GRAND TOTAL	RANK	ITINERANT	RANK	LOCAL	RANK	R-88
1. Buttonville	225 278	215 910	8	68 584	13	147 326	5	3 473
2. Hamilton City	220 369	207 267	10	65 818	16	141 449	7	6 701
3. London	165 955	143 353	19	61 769	19	81 584	15	3 709
4. North Bay	96 824	100 058	29	41 300	34	58 758	21	1 021
5. Oshawa	143 126	136 705	22	43 100	32	93 605	11	9 077
6. Ottawa International	218 339	209 502	9	118 501	6	91 001	12	8 462
7. Sault Ste. Marie	65 881	58 350	47	27 645	48	30 705	37	388
18. St. Catharines	114 430	103 344	28	30 914	45	72 430	18	3 811
19. Sudbury	70 868	70 125	41	31 296	44	38 829	32	2 825
10. Thunder Bay	98 910	107 168	26	47 342	28	59 826	20	698
11. Toronto International	260 918	254 886	4	249 850	2	5 036	57	17 791
12. Toronto Island	181 266	196 189	12	51 298	26	144 891	6	8 228
13. Waterloo-Wellington	148 510	133 265	23	45 811	30	87 454	13	3 309
14. Windsor	79 428	72 081	39	31 388	43	40 693	31	1 734

NOTE: Aircraft movement - An aircraft landing or an aircraft take-off. There are two types of movements: Itinerant and Local.
 Itinerant movements - At air traffic controlled airports, itinerant movements are considered as those performed by a) aircraft proceeding to or arriving from another location; or b) aircraft that leave the circuit but will be returning to land.
 Local movements - At air traffic controlled airports, local movements are considered as those performed by aircraft which remain in the circuit.
 Rank - Position re particular item - aircraft movement - taking into account 61 Canadian airports with air traffic control facilities.
 R-88 - (Runway - 88) are through control zone flights, i.e. flights which communicate with the tower while transiting the control zone to another destination without landing at the reporting airport. Data for Runway - 88 are not included in the grand total.
SOURCE: Service Bulletin, AVIATION STATISTICS CENTRE, Vol. 13, No. 5, Catalogue 51-004, Statistics Canada, Ottawa, Ontario, May 1981, p3.



Air

Table AP 6 - Distribution of Total Aircraft Movements of Air-Traffic Controlled Airports, by Selected City, Ontario, 1977 and 1978

	LONDON		OTTAWA		THUNDER		TORONTO		WINDSOR	
	1977	1978	INTERNATIONAL	1977	1978	1977	INTERNATIONAL	1978	1977	1978
Total	162 523	174 782	201 758	209 060	90 890	96 280	243 173	260 877	78 533	78 735
Itinerant	61 797	65 951	84 604	89 365	38 804	42 065	232 745	249 237	32 089	32 652
Local	100 726	108 831	117 154	119 695	52 086	54 215	10 428	11 640	46 444	46 083
Distribution of Itinerant Movements										
Domestic	11 041	11 145	35 301	37 548	10 836	10 643	81 559	81 492	5 438	5 926
Unit toll	269	347	1 237	1 545	256	192	5 981	6 654	325	289
Charter	12 541	12 672	13 312	15 860	16 355	19 386	21 054	31 095	13 841	13 489
Other commercial	30 713	34 016	12 680	12 596	5 774	6 029	36 956	38 000	8 597	8 380
Private										
Government	806	699	5 907	6 193	1 137	821	3 078	3 616	334	269
Civil	477	445	9 789	8 965	1 705	2 098	366	436	139	156
Military	55 847	59 324	78 226	82 707	36 063	39 169	148 994	161 293	28 674	28 509
Domestic - Total										
International, United States	704	662	728	732	1 280	1 321	46 523	46 690	5	8
Unit toll	102	125	210	194	46	38	4 580	5 063	105	90
Charter	687	715	658	932	231	213	3 132	4 578	601	809
Other commercial	4 386	5 070	3 399	3 364	1 092	1 167	16 415	18 834	2 437	2 967
Private										
Government	15	8	242	212	1	1	48	37	9	13
Civil	52	43	542	570	88	152	57	103	2	14
Military										
United States -										
Total	5 946	6 623	5 779	6 004	2 738	2 892	70 755	75 305	3 159	3 901
Other										
Unit toll	2	-	2	6	-	-	7 604	7 298	-	-
Charter	-	-	216	275	3	1	5 204	5 117	253	225
Other commercial	-	2	13	13	-	1	67	85	1	16
Private	1	2	6	8	-	2	114	136	2	1
Government										
Civil	-	-	9	13	-	-	1	1	-	-
Military	1	-	353	339	-	-	6	2	-	-
Other - Total	4	4	599	654	3	4	12 996	12 639	256	242
Distribution of Itinerant movements by type of operation										
Unit toll	11 745	11 807	36 031	38 286	12 116	11 964	135 686	135 480	5 443	5 934
Charter	373	472	1 663	2 014	305	231	15 765	16 834	683	604
Other commercial	13 228	13 389	13 983	16 805	16 586	19 600	24 253	35 758	14 443	14 314
Private	35 100	39 088	16 085	15 968	6 866	7 198	53 485	56 970	11 036	11 348
Government										
Civil	821	707	6 158	6 418	1 138	822	3 127	3 654	343	282
Military	530	488	10 684	9 874	1 793	2 250	429	541	141	170

SOURCE: Statistics Canada, Airport Activity Statistics, as shown in ONTARIO STATISTICS, 1980, Ministry of Treasury and Economics, p. 587-8.

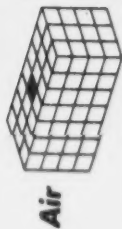
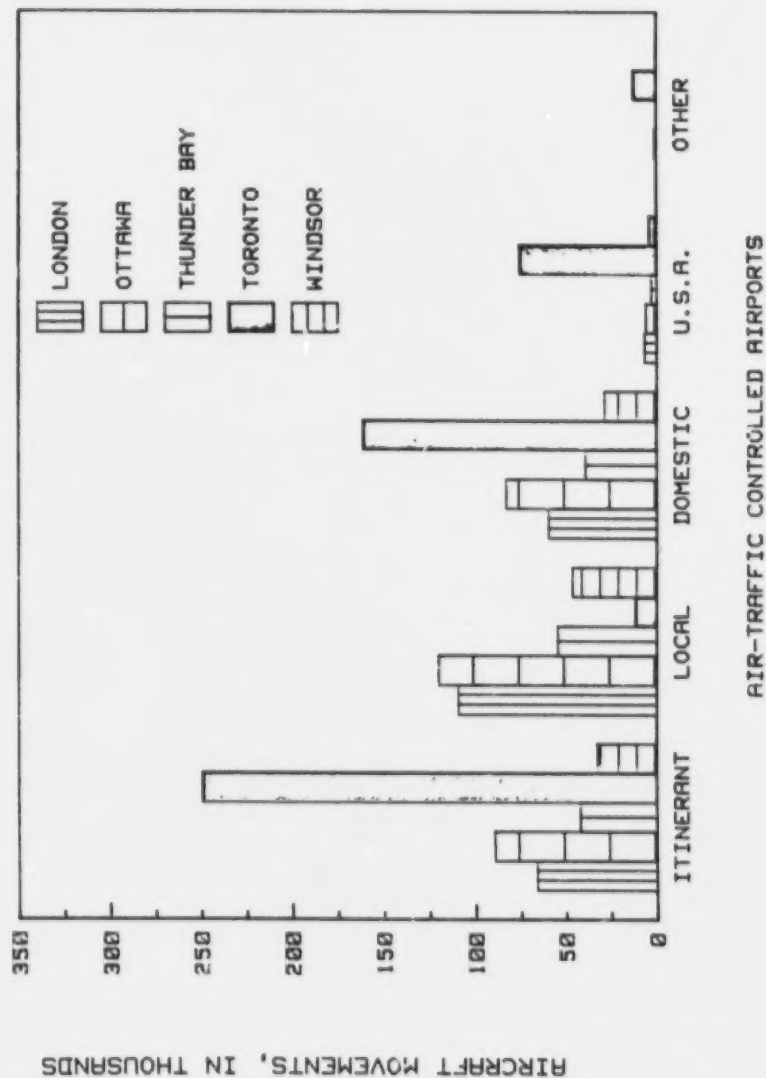


Figure AP 6 - Distribution of Total Aircraft Movements at Air-Traffic Controlled Airports, by Selected City, Ontario, 1978



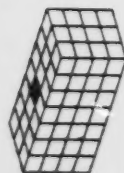


Table AP 7 - Deplaned - Enplaned Data, Top Eight Ontario Airports, Determined by the Total Deplaned Plus Enplaned Passengers, Scheduled Services, 1982 Annual

Airport	DEPLANED				ENPLANED				TOTAL						
	Flights	Passenger	Mall	Cargo	Flights	Passenger	Mall	Cargo	Flights	Passenger	Mall	Cargo			
		Total	Revenue	('000 lb)		Total	Revenue	('000 lb)		Total	Revenue	('000 lb)			
1. North Bay	1 705	34 919	33 942	263	227	1 699	34 962	34 251	77	237	3 407	69 881	340	464	
2. Ottawa Inter.	15 365	904 727	882 094	3 614	5 341	15 371	899 371	877 855	8 757	5 351	30 736	1 804 096	1 759 949	12 371	10 692
3. Sault St. Marie	1 547	74 782	73 877	383	268	1 548	75 734	75 196	129	87	3 095	150 516	149 073	512	355
4. Sudbury	1 673	77 606	76 053	795	318	1 670	77 156	76 208	766	230	3 343	154 762	152 261	1 561	548
5. Thunder Bay	3 512	179 363	177 537	1 563	1 853	3 540	181 859	180 430	563	591	7 026	361 222	357 967	2 126	2 444
6. Timmins	991	52 727	51 260	252	210	992	52 395	51 629	9	116	1 983	105 122	102 889	261	326
7. Toronto Inter.	70 069	6 133 232	5 864 632	38 302	185 509	70 130	6 107 105	5 824 537	49 907	184 029	140 199	12 240 337	11 689 169	88 209	369 538
8. Windsor	2 195	107 357	104 897	975	406	2 190	105 251	103 494	937	864	4 385	212 878	208 391	1 912	1 270
TOTAL	97 057	7 564 713	7 264 292	46 147	194 132	97 140	7 533 833	7 223 600	61 145	191 505	194 174	15 098 814	14 487 892	107 292	385 637

SOURCE: Air Carrier Traffic at Canadian Airports, 1982, Catalogue 51-203, Annual, Statistics Canada, Ottawa, Ontario, January 1984.



December 1982

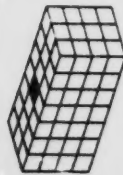


Table AP 8 - Air Passenger Origin and Destination by Canadian (Ontario) City, International Air Charter Statistics, January 1982 to December 1982 (Continued)

ORIGIN AND FOREIGN AIRPORTS	CANADIAN ORIGIN		FOREIGN ORIGIN		TOTAL	CANADIAN ORIGIN		FOREIGN ORIGIN		TOTAL	OUTBOUND		TOTAL
	OUTBOUND	INBOUND	OUTBOUND	INBOUND		OUTBOUND	INBOUND	OUTBOUND	INBOUND		OUTBOUND	INBOUND	
SAULT STE MARIE, ONTARIO													
International Falls, Minn.	55	0	55	0	55	55	0	55	0	55	55	0	55
TOTAL U.S.A.	55	0	55	0	55	55	0	55	0	55	55	0	55
ORIGIN TOTAL	55	0	55	0	55	55	0	55	0	55	55	0	55
THUNDER BAY, ONTARIO													
Chicago, Illinois	0	0	0	123	123	0	123	0	123	123	0	123	123
Tempe/St. Peter's, Fla.	102	102	204	0	204	102	102	102	0	204	102	102	204
TOTAL U.S.A.	102	102	204	0	204	102	102	102	0	204	102	102	204
ORIGIN TOTAL	102	102	204	0	204	102	102	102	0	204	102	102	204
TORONTO, ONTARIO													
Amsterdam, Netherlands	9 363	9 115	18 478	11 056	29 534	20 439	22 360	42 799	33 112	75 911	20 439	22 360	42 799
Belfast, N. Ireland	5 494	4 943	10 437	7 940	18 377	13 434	15 256	28 690	23 190	51 880	13 434	15 256	28 690
Billingham, Denmark	275	1 475	1 750	82	1 832	357	420	777	420	1 197	357	420	777
Birmingham, England	1 577	1 475	3 052	4 444	7 496	5 919	12 116	18 035	18 035	36 070	5 919	12 116	18 035
Cardiff, Wales	1 067	1 014	2 081	1 864	3 945	2 931	6 009	8 940	8 940	17 880	2 931	6 009	8 940
Copenhagen, Denmark	4 793	4 217	9 010	1 803	10 813	6 596	12 813	19 409	19 409	38 818	6 596	12 813	19 409
Dublin, Ireland	2 659	1 975	4 634	1 798	6 432	4 457	7 436	11 893	11 893	23 786	4 457	7 436	11 893
Düsseldorf, Germany	1 840	1 130	2 970	3 737	6 707	5 577	7 520	13 104	13 104	26 208	5 577	7 520	13 104
Frankfurt, Germany	11 527	10 672	22 199	11 999	34 198	23 526	46 986	70 512	70 512	141 024	23 526	46 986	70 512
Glasgow, Scotland	19 429	19 388	38 817	25 084	63 901	44 473	87 687	132 160	132 160	264 320	44 473	87 687	132 160
Heilink, Finland	292	0	292	286	578	286	1 068	1 354	1 354	2 708	286	1 068	1 354
Keflavik, Iceland	390	1 000	1 390	0	1 390	898	1 786	2 684	2 684	5 368	898	1 786	2 684
Laetia-Torres, Italy	5 751	5 630	11 381	0	11 381	1 366	1 756	3 122	3 122	6 244	1 366	1 756	3 122
Lisbon, Portugal	5 751	5 630	11 381	0	11 381	1 366	1 756	3 122	3 122	6 244	1 366	1 756	3 122
Ljubljana, Yugoslavia	233	95	328	0	328	95	95	190	190	380	95	95	190
London, England	38 552	36 604	75 156	38 421	113 577	67 023	130 644	197 667	197 667	395 334	67 023	130 644	197 667
Manchester, England	13 442	12 434	25 876	25 487	51 363	39 129	77 054	116 183	116 183	232 366	39 129	77 054	116 183
Munich, Germany	1 341	1 169	2 510	1 486	4 000	2 636	5 463	8 099	8 099	16 198	2 636	5 463	8 099
Newcastle, England	1 374	1 157	2 531	3 391	5 922	4 867	9 652	14 519	14 519	29 038	4 867	9 652	14 519
Nice, France	0	0	0	110	110	0	110	110	110	220	0	110	110
Oslo, Norway	27	109	136	0	136	109	136	245	245	490	109	136	245
Paris, France	2 509	2 324	4 833	987	5 820	3 496	7 771	11 267	11 267	22 534	3 496	7 771	11 267
Rome, Italy	4 511	5 320	9 831	0	9 831	4 511	5 320	9 831	9 831	19 662	4 511	5 320	9 831
Shannon, Ireland	1 647	1 890	3 537	436	4 000	2 083	4 908	7 000	7 000	14 000	2 083	4 908	7 000
Skopje, Yugoslavia	157	292	449	0	449	157	292	449	449	898	157	292	449
Toronto, Ontario	3 466	3 810	7 276	0	7 276	3 466	4 025	7 491	7 491	14 982	3 466	4 025	7 491
Venice, Italy	2 326	1 724	4 050	269	4 319	2 595	5 38	7 983	7 983	15 966	2 595	5 38	7 983
Zagreb, Yugoslavia	372	378	750	0	750	372	378	750	750	1 500	372	378	750
TOTAL EUROPE	134 434	129 007	263 441	131 552	394 993	259 986	525 730	785 716	785 716	1 571 446	259 986	525 730	785 716
ALBANY, New York													
Albany, New York	9	8	17	0	17	9	8	17	0	17	9	8	17
Atlanta, Georgia	0	0	0	0	0	0	0	0	0	0	0	0	0
Atlantic City, N.J.	0	0	0	0	0	0	0	0	0	0	0	0	0
Augusta, Georgia	0	0	0	0	0	0	0	0	0	0	0	0	0
Baltimore, Maryland	0	0	0	0	0	0	0	0	0	0	0	0	0
Boston, Massachusetts	0	0	0	0	0	0	0	0	0	0	0	0	0
Bridgeport, Conn.	0	0	0	0	0	0	0	0	0	0	0	0	0
Brownsville, Texas	0	0	0	0	0	0	0	0	0	0	0	0	0
Buffalo, N.Y.	0	0	0	0	0	0	0	0	0	0	0	0	0
Charleston/Dunbar, W. V.	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago, Illinois	0	0	0	0	0	0	0	0	0	0	0	0	0
Cincinnati, Ohio	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleveland, Ohio	0	0	0	0	0	0	0	0	0	0	0	0	0
Dallas/Ft. Worth, Texas	0	0	0	0	0	0	0	0	0	0	0	0	0
Dayton, Ohio	0	0	0	0	0	0	0	0	0	0	0	0	0
Decatur, Illinois	0	0	0	0	0	0	0	0	0	0	0	0	0
Denver, Colorado	0	0	0	0	0	0	0	0	0	0	0	0	0
Detroit Ann Arbor, Mich.	0	0	0	0	0	0	0	0	0	0	0	0	0
Evansville, Indiana	0	0	0	0	0	0	0	0	0	0	0	0	0
Farmington, N.Y.	0	0	0	0	0	0	0	0	0	0	0	0	0
Fort Lauderdale, Fla.	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Junction, Col.	0	0	0	0	0	0	0	0	0	0	0	0	0
Greenbrier, W.V.	0	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton, Ohio	0	0	0	0	0	0	0	0	0	0	0	0	0

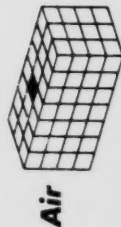


Table AP 8 - Air Passenger Origin and Destination by Canadian (Ontario) City, International Air Charter Statistics, January 1982 to December 1982 (Continued)

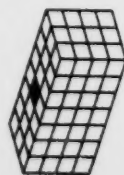
ONTARIO AND FOREIGN AIRPORTS	CANADIAN ORIGIN		FOREIGN ORIGIN		TOTAL		TOTAL	INBOUND	OUTBOUND	CANADIAN ORIGIN		FOREIGN ORIGIN		TOTAL		TOTAL	INBOUND	OUTBOUND	TOTAL	
	OUTBOUND	INBOUND	OUTBOUND	INBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL	OUTBOUND	INBOUND	TOTAL	OUTBOUND	INBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL	INBOUND	OUTBOUND	TOTAL
TORONTO, ONTARIO																				
Hartford, Conn.	37	0	37	0	74	0	37	0	37	57	839	1 549	1 767	2 516	55	232	59 606	114 838		
Hartford/Bradford, Conn.	66	32	98	0	130	32	98	0	66	15	65	42	42	84	57	107	164			
Honolulu, Hawaii	12 982	25 379	3	0	12 985	12 993	25 407	0	12 982	3	3	6	0	9	0	3	6			
Hot Springs, Virginia	0	3	3	0	3	3	3	0	0	0	0	0	0	0	0	0	0			
Houston, Texas	5	4	9	0	13	5	9	0	45	18	18	36	0	54	18	18	36			
Indianapolis, Indiana	109	100	209	0	419	100	209	0	109	7	7	25	0	32	0	18	7			
Kansas City, Missouri	53	2	55	0	105	46	167	0	44	112	121	233	0	345	0	28	22			
LaPorte, Indiana	2	2	4	0	6	2	4	0	119	238	22 871	45 309	4	47 312	0	5	10			
Las Vegas, Nevada	22 752	45 071	4	0	67 827	45 075	72 898	0	22 752	5	5	10	0	15	0	1	6			
Little Rock, Arkansas	2	2	4	0	6	2	4	0	0	0	0	0	0	0	0	0	0			
Los Angeles, California	170	170	340	0	340	170	340	0	94	53	147	94	0	194	0	3	5			
Long Beach, California	170	170	340	0	340	170	340	0	0	0	0	0	0	0	0	0	0			
Lynchburg, Virginia	4	4	8	0	8	4	8	0	0	0	0	0	0	0	0	0	0			
Lynchburg/Concord, N. Hamp.	4	4	8	0	8	4	8	0	0	0	0	0	0	0	0	0	0			
Miami, Florida	21 869	41 463	8	0	63 340	41 471	63 348	0	664	19 874	22 253	42 127	0	64 627	0	556	555			
Minneapolis, Minnesota	80	77	157	0	314	80	157	0	85	80	165	165	0	330	0	556	555			
Minneapolis/St. Paul, Minn.	87	107	194	0	281	164	363	0	57	149	179	328	0	506	0	0	0			
Myrtle Beach, S. Carolina	1 093	1 093	2 186	0	3 279	1 093	2 186	0	0	0	0	0	0	0	0	0	0			
New Orleans, Louisiana	302	302	604	0	1 206	302	604	0	1 093	1 093	2 186	328	0	5 026	0	5 026	4 830			
New York, N.Y.	195	160	355	0	515	195	355	0	54	56	110	110	0	216	0	25	25			
Oklahoma City, Okla.	3	3	6	0	9	3	6	0	0	0	0	0	0	0	0	0	0			
Omaha, Nebraska	2	5	7	0	11	2	7	0	0	0	0	0	0	0	0	0	0			
Orlando, Florida	47 064	46 246	93 310	223	93 533	46 503	93 790	0	480	47 287	46 503	93 790	0	94 783	0	5	5			
Orlando/Daytona, Fla.	80	80	160	0	320	80	160	0	0	0	0	0	0	0	0	0	0			
Philadelphia, Pa.	173	173	346	0	692	173	346	0	105	221	326	326	0	651	0	1 456	1 456			
Phoenix, Arizona	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0			
Pittsburgh, Penn.	31	0	31	0	62	31	62	0	56	59	115	115	0	234	0	0	0			
Pittsburgh/Meigs, Pa.	12	12	24	0	36	12	24	0	0	0	0	0	0	0	0	0	0			
Port Huron, Michigan	23	27	50	0	77	23	50	0	0	0	0	0	0	0	0	0	0			
Providence, Rhode Is.	6	6	12	0	24	6	12	0	23	27	50	50	0	77	0	0	0			
Providence, Rhode Is.	6	6	12	0	24	6	12	0	36	36	72	72	0	108	0	1 553	1 553			
Pueblo, Colorado	9	6	15	0	21	9	15	0	0	0	0	0	0	0	0	0	0			
Reno, Nevada	512	522	1 034	0	2 056	512	1 034	0	0	0	0	0	0	0	0	0	0			
Reno, Nevada	512	522	1 034	0	2 056	512	1 034	0	0	0	0	0	0	0	0	0	0			
Rhode Island, Rhode Is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Rhode Island, Rhode Is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
St. Louis, Missouri	85	87	172	35	207	172	207	0	35	70	120	122	0	242	0	31	31			
St. Petersburg, Fla.	40 321	40 812	81 133	0	161 945	40 321	81 133	0	40 321	40 812	81 133	81 133	0	161 945	0	5 026	4 830			
San Antonio, Texas	2	2	4	0	6	2	4	0	0	0	0	0	0	0	0	0	0			
San Francisco, Calif.	2	2	4	0	6	2	4	0	49	95	144	144	0	288	0	25	25			
San Juan, Puerto Rico	14 614	15 410	30 024	172	30 196	14 614	30 196	0	175	14 786	15 410	30 196	0	45 606	0	1 553	1 553			
Sarasota/Bradenton, Fla.	0	3	3	0	6	0	3	0	0	0	0	0	0	0	0	0	0			
Savannah, Georgia	188	294	482	0	676	188	482	0	0	0	0	0	0	0	0	0	0			
Scranton/Wilkes-Barre, Pa.	77	0	77	45	122	77	122	45	90	122	212	212	45	257	0	35	35			
Syracuse, N.Y.	90	78	168	6	244	90	168	6	16	98	114	114	6	120	0	0	0			

NOTE: Passenger Charters - may be divided into two distinct types. In entity charters, the charterer engages and pays for the entire capacity of the aircraft. In all other types the charterer is permitted to sell space (seats) on the aircraft (i.e. pro rata, inclusive tour and advance booking).

United States of America - all areas under its sovereignty, jurisdiction or trusteeship.

Europe - including Iceland, Greenland and the Azores.

SOURCE: INTERNATIONAL AIR CHARTER STATISTICS, 1982, Catalogue 51-207 Annual, Statistics Canada, Ottawa, Ontario, November 1983.



Air

Table AP 9 - Annual Air Passenger-Kilometres, by Country, 1960, 1970, 1973 and 1977

COUNTRY	AIR THOUSAND MILLION PASSENGER-KILOMETRES				ANNUAL AVERAGE PERCENTAGE CHANGE		
	1960	1970	1973	1977	1960-70	1970-73	1973-77
CANADA	4.3	15.4	21.7	27.3	13.7%	12.1%	5.9%
U.S.	62.5	210.3	260.6	310.9	12.9%	7.4%	4.5%
AUSTRALIA	3.4	9.3	14.2	19.2	11.9%	15.4%	7.8%
FRANCE	5.2	13.6	19.7	27.3	10.0%	13.3%	8.4%
WEST GERMANY	1.3	8.3	11.1	15.9	20.5%	10.4%	9.4%
ITALY	1.3	8.4	11.1	12.8	20.2%	9.8%	3.5%
JAPAN	1.1	15.0	26.0	39.0	30.4%	20.3%	10.7%
U.K.	7.3	18.0	28.3	35.6	10.0%	14.2%	6.0%
U.S.S.R.	N/A	78.2	98.4	127.1	N/A	8.0%	6.6%
TOTAL	86.0	376.5	491.1	615.1	15.9%	9.3%	5.8%

SOURCE:

- Air Statistics, International Civil Aviation Organization, 1972, 1975, 1977;
- Statistical Yearbook, 1977, United Nations, as shown in PASSENGER AND GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON, 1960 - 1977, Transport Canada, Strategic Planning, Catalogue No. T22-53/1981, Place de Ville, Ottawa, Ont. K1A 0N5, May 1981.

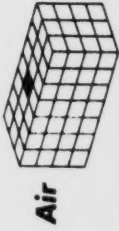
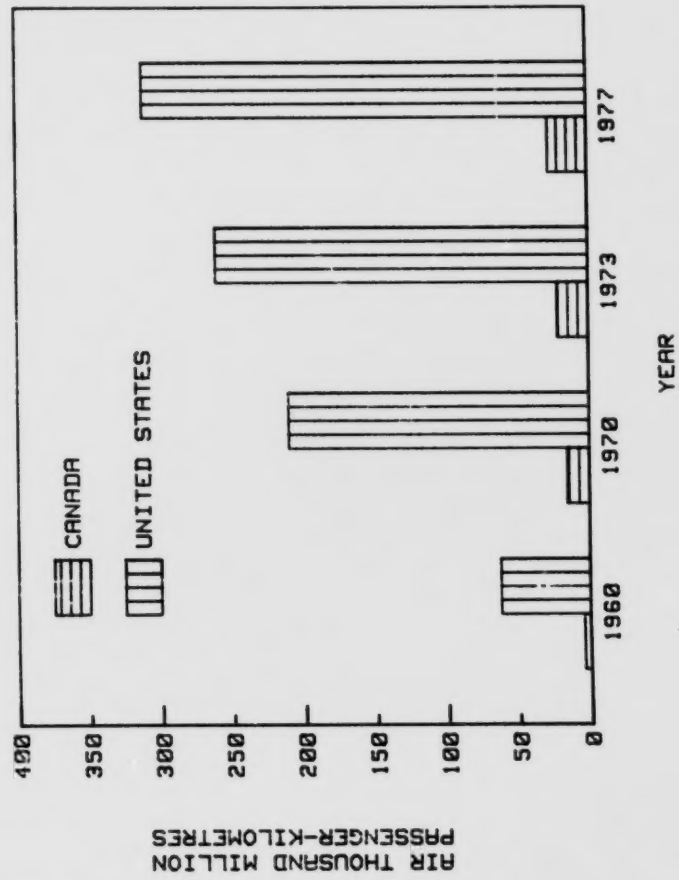
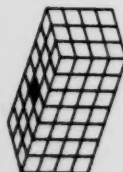


Figure AP 9 - Annual Air Passenger-Kilometres, Canada and United States Comparison, 1960, 1970, 1973 and 1977



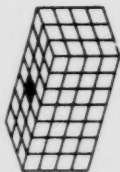


Air

Table AP 10 - Annual Air Passenger-Kilometres per Capita, by Country, 1960, 1970, 1973 and 1977

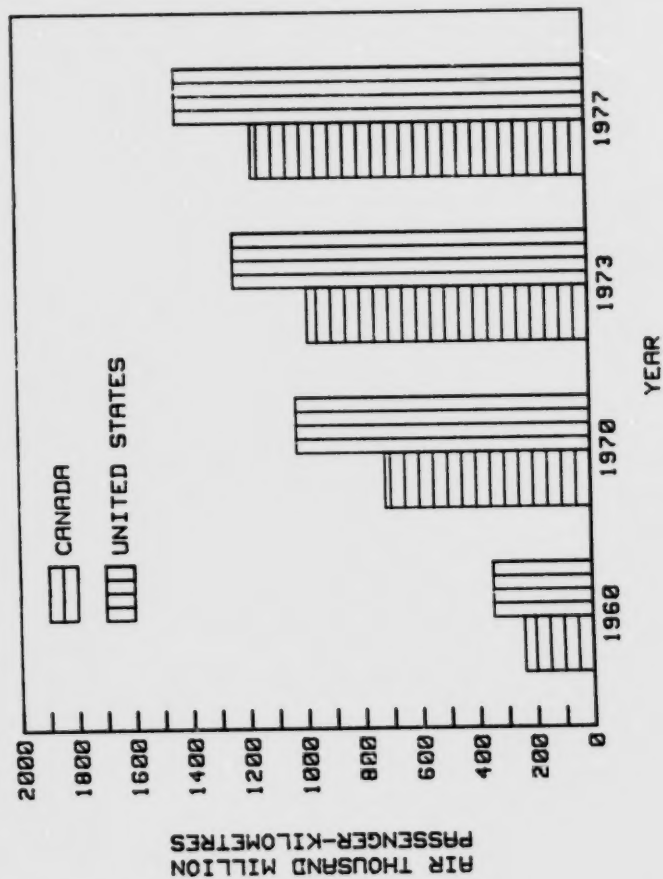
COUNTRY	AIR THOUSAND MILLION PASSENGER-KILOMETRES				ANNUAL AVERAGE PERCENTAGE CHANGE		
	1960	1970	1973	1977	1960-70	1970-73	1973-77
Canada	240	719	982	1170	11.6%	11.0%	4.5%
U.S.	346	1027	1239	1434	11.5%	6.5%	3.7%
Australia	293	738	1087	1368	9.7%	13.8%	5.9%
France	115	268	379	514	8.8%	12.2%	7.9%
West Germany	24	146	179	259	19.8%	7.0%	9.7%
Italy	31	157	203	227	17.6%	8.9%	2.8%
Japan	11	145	239	343	29.4%	18.1%	9.5%
U.K.	139	340	520	637	9.4%	15.2%	5.2%
U.S.S.R.	N/A	322	394	491	N/A	7.0%	5.7%

SOURCE: PASSENGER AND GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON, 1960 - 1977, Transport Canada, Strategic Planning, Catalogue No. T22-53/1981, Place de Ville, Ottawa, Ontario, May 1981.



Air

Figure AP 10 - Annual Air Passenger-Kilometres per Capita, Canada and United States Comparison, 1960, 1970, 1973 and 1977





Scheduled Services, 1978 Annual

NOTE: The above figures are extracted from Table 1, Deplaned - Enplaned Data, Top Fifty Airports Determined by the Total Deplaned plus Enplaned Passengers, Scheduled Services, 1978, Annual. Consequently the top nine Ontario airports emerged. The airport at London, Ontario, does not rank among the top fifty Canadian airports in 1978 and therefore is not shown as tenth top ranking airport in Ontario as determined by the total deplaned plus enplaned passengers in scheduled services in 1978. The marked decrease in traffic in London, Ontario, in 1978 is due to a reduction of scheduled domestic flights to this airport by Air Canada; although service is provided by Great Lakes Airlines, it is not reported in the survey conducted for Air Carrier Traffic at Canadian Airports, 1978.

SOURCE: Air Carrier Traffic at Canadian Airports, 1978, Catalogue 51-203 Annual, Statistics Canada. Ottawa, Ontario, September 1979, pp. 2-3.

SOURCE: Air Carrier Traffic at Canadian Airports, 1978, Catalogue 51-203 Annual, Statistics Canada. Ottawa, Ontario, September, 1978. pp. 2-3.

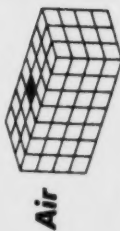
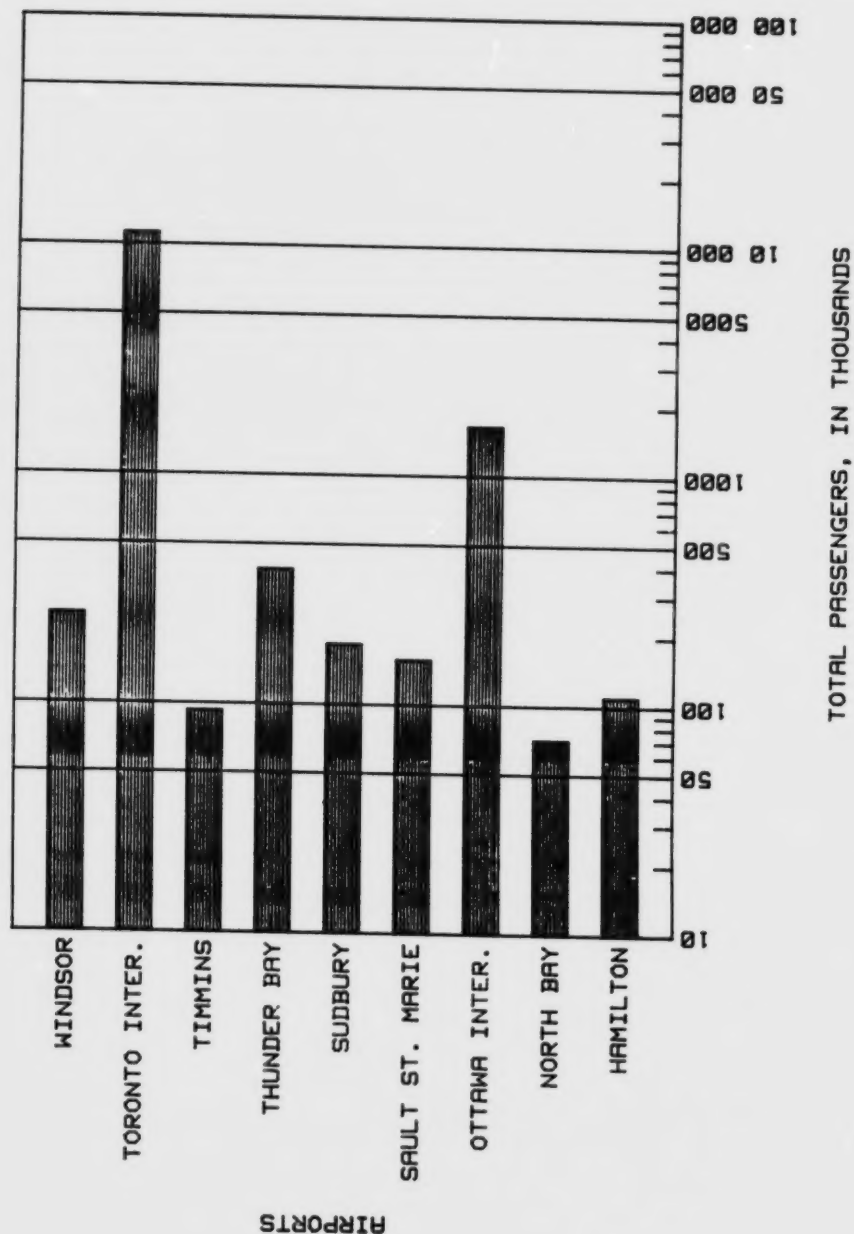


Figure AP 11 - Deplaned - Enplaned Data, Top Nine Ontario Airports, Determined by the Total Deplaned Plus Enplaned Passengers, Schedule Services, 1978 Annual



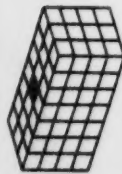


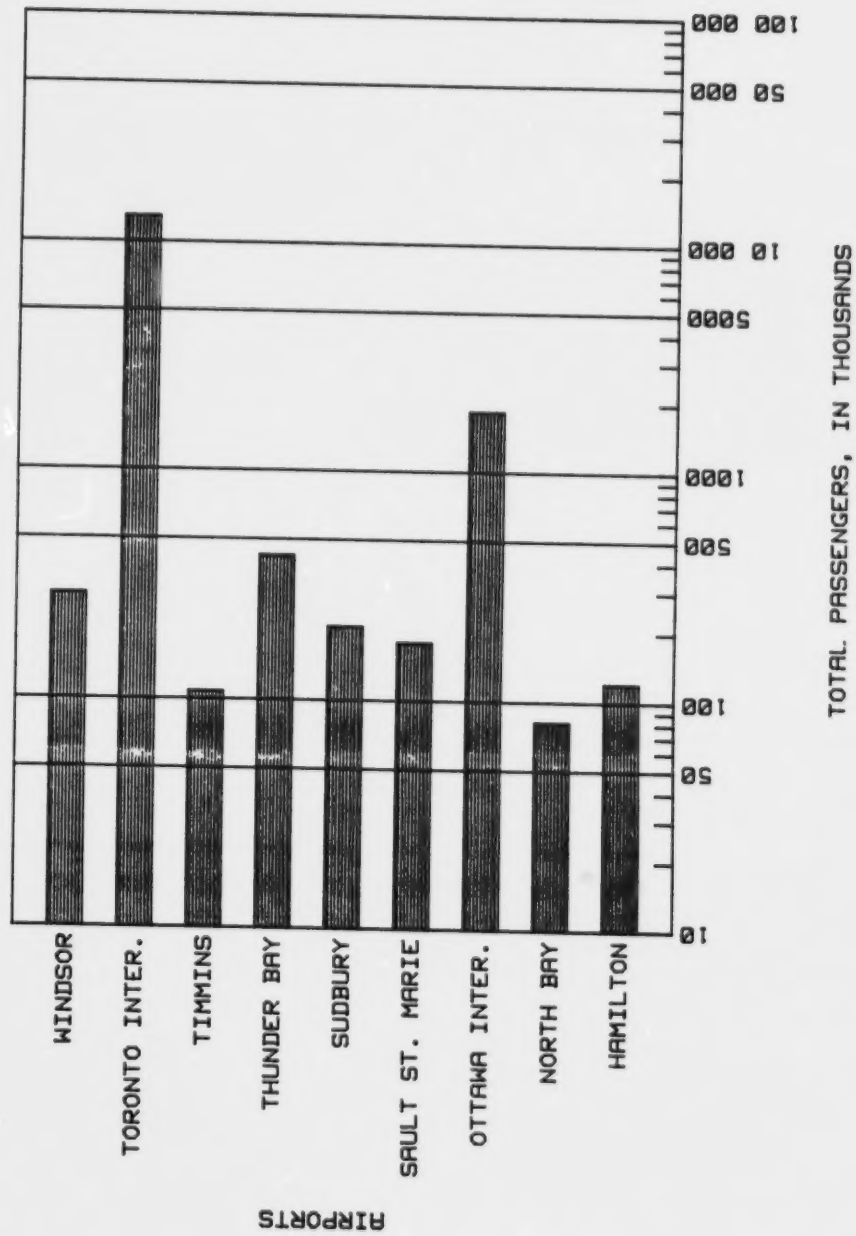
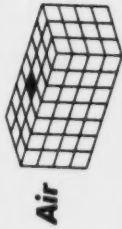
Table AP 12 - Deplaned-Enplaned Data, Top Nine Ontario Airports, Determined by the Total Deplaned Plus Enplaned Passengers, Scheduled Services, 1979 Annual

Airport	DEPLANED			ENPLANED			TOTAL								
	Flights	Passenger	Mail	Flights	Passenger	Mail	Flights	Passenger	Mail	Cargo					
		Total	Revenue	('000 kg)	Total	Revenue	('000 kg)	Total	Revenue	('000 kg)					
1. Hamilton	2 309	61 473	60 475	28	418	2 306	59 722	58 711	41	184	4 615	121 195	119 186	69	602
2. North Bay	1 964	41 281	40 442	195	152	1 962	40 817	40 181	48	162	3 926	82 098	80 623	243	314
3. Ottawa Inter.	18 056	922 045	902 677	1 760	3 012	18 114	917 044	898 876	3 734	2 371	36 170	1 839 089	1 801 553	5 494	5 383
4. Sault St. Marie	2 182	90 821	89 720	132	168	2 179	88 762	87 987	52	41	4 361	179 583	177 707	184	209
5. Sudbury	2 089	103 702	102 115	371	196	2 087	106 162	105 211	165	108	4 176	209 864	207 326	536	304
6. Thunder Bay	4 925	212 008	209 535	657	1 328	4 917	215 473	213 460	301	360	9 842	427 481	422 995	959	1 689
7. Timmins	1 068	54 237	53 250	88	124	1 069	53 969	53 460	55	53	2 137	108 206	106 710	143	177
8. Toronto Inter.	67 114	6 493 019	6 271 016	14 949	87 374	66 940	6 444 894	6 206 655	21 230	89 252	134 054	112 937 913	2 477 671	36 179	176 626
9. Windsor	2 696	145 722	142 751	415	350	2 691	142 534	140 025	351	989	5 387	288 256	282 776	766	1 339
TOTAL	102 403	8 124 308	7 871 981	18 595	93 122	102 265	8 069 377	7 804 566	25 977	93 520	204 668	16 193 685	15 676 547	44 572	186 642

NOTE: Lack of the inclusion of the London, Ontario, airport among the top fifty Canadian airports, and therefore not showing it among the top airports in Ontario, may be attributed to its being served by Great Lakes Airlines, which was not reported in the survey.

SOURCE: Air Carrier Traffic at Canadian Airports, 1979, Catalogue 51-203, Annual, Statistics Canada, Ottawa, Ontario, September 1979, pp. 2-3.

Figure AP 12 - Total Passengers for the Top Nine Ontario Airports, 1979 Annual



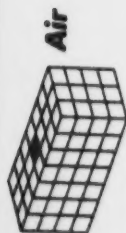


Table AP 13 - International and Mainline Domestic Flights, by Selected City, Ontario, 1980

	Arriving					Departing					
	Arriving Load			Deplaned Load		Enplaned Load			Departing Load		
	Number of Flights	Number of passengers	Mail ('000s kg)	Cargo ('000s kg)	Number of passengers	Mail ('000s kg)	Cargo ('000s kg)	No. of Flights	No. of passengers	Mail ('000's Kg)	Cargo ('000's Kg)
HAMILTON											
Scheduled Services	2 359	132 258	106	413	68 712	69	172	2 353	66 415	48	101
Domestic	1 800	132 249	106	413	68 703	69	172	1 792	66 407	48	100
International		111 730	105	336	60 552	69	120		58 235	48	99
U.S.	559	20 519	1	77	8 151	-	52	561	8 172	-	1
Other	-	-	-	-	-	-	-	-	-	-	-
International Charter	..	9	-	-	9	-	-	..	8	-	1
OTTAWA INTERNATIONAL											
Scheduled Services	17 751	1 331 264	2 860	4 754	977 749	1 772	2 961	17 733	972 291	3 699	2 554
Domestic	17 383	1 314 393	2 860	4 747	960 878	1 772	2 954	17 367	954 783	3 699	2 537
International		1 282 073	2 844	4 611	929 540	1 756	2 823		925 261	3 676	2 501
U.S.	364	31 509	16	131	31 337	16	131	366	29 522	23	36
Other	4	811	-	5	1	-	7	-	-	-	-
International Charter	..	16 871	-	7	16 871	-	-	..	17 508	-	17
THUNDER BAY											
Scheduled Services	5 241	324 054	862	3 309	220 561	689	1 408	5 439	230 930	305	380
Domestic	4 684	322 741	862	3 309	219 248	689	1 408	4 881	229 579	305	372
International		313 694	852	3 232	210 201	679	1 331		220 370	289	361
U.S.	557	9 047	10	77	9 047	10	77	558	9 209	16	11
Other	-	-	-	-	-	-	-	-	-	-	-
International Charter	..	1 313	-	-	1 313	-	-	..	1 351	-	8

NOTE: .. figures not available; - nil or zero

SOURCE:

Aviation Statistics Centre, Airport Activity Survey, Statistics Canada, Ottawa, Ontario, as shown in Ontario Statistics 1982, Ontario Ministry of Treasury and Economics.

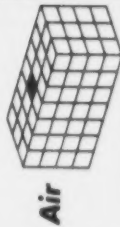


Table AP 13 - International and Mainline Domestic Flights, by Selected City, Ontario, 1980 (Continued)

	Arriving						Departing					
	Arriving Load			Enplaned Load			Enplaned Load			Departing Load		
	No. of Flights	No. of passengers	Mail ('000s kg)	Cargo ('000s kg)	No. of passengers	Mail ('000s kg)	No. of Flights	No. of passengers	Mail ('000s kg)	Cargo ('000s kg)	No. of passengers	Mail ('000s kg)
TORONTO INTERNATIONAL	..	7 620 694	16 728	91 177	7 378 669	15 892	..	7 331 744	22 027	93 087	7 573 485	22 864
Scheduled Services	70 352	7 015 090	16 728	89 832	6 773 065	15 892	70 170	6 720 154	22 027	88 800	6 961 895	22 864
Domestic	42 051	4 212 614	10 968	41 188	4 046 256	10 243	42 212	4 022 267	16 785	61 590	4 202 073	17 499
International	24 528	2 163 023	4 685	36 372	2 096 831	4 575	24 245	2 089 371	2 626	9 472	2 141 839	2 710
U.S.	3 773	639 453	1 075	12 272	629 978	1 074	3 713	608 516	2 616	17 638	617 983	2 655
Other	..	605 604	-	1 345	605 604	-	..	611 590	-	4 287	611 590	-
International Charter	..	191 238	723	368	167 832	529	..	164 929	419	795	188 357	613
WINDSOR INTERNATIONAL	..	170 992	723	368	147 586	529	2 702	144 047	419	795	167 475	613
Scheduled Services	2 700	170 992	723	368	147 586	529	2 697	144 047	419	795	167 101	612
Domestic	2 698	170 712	723	367	147 410	529	..	..	..	..	..	..
International	1	95	-	1	-	-	5	-	-	-	374	1
U.S.	1	185	-	-	176	-	..	-	-	-	20 882	-
Other	..	20 246	-	-	20 246	-	..	20 882	-	-	20 882	-
International Charter	..	..	-	-	..	-	..	..	-	-	..	-

NOTE: .. figures not available; - nil or zero

SOURCE: Aviation Statistics Centre, Airport Activity Survey, Statistics Canada, Ottawa, Ontario, as shown in Ontario Statistics 1982, Ontario Ministry of Treasury and Economics.

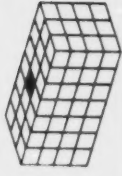


Table AP 14 – Distribution of Total Aircraft Movements at Air-Traffic Controlled Airports, by Selected City, Ontario, 1980

1980	Airport				
	London	Ottawa International	Thunder Bay	Toronto International	Windsor
Total	143 315	209 470	107 182	254 910	71 761
Itinerant	61 794	118 490	47 340	249 87-	31 140
Local	81 521	90 980	59 842	5 036	40 621
Distribution of Itinerant Movements by type of Operation					
Unit Toll	12 714	41 041	12 938	147 224	5 484
Charter	303	1 956	714	14 076	774
Other Commercial	29 370	40 714	23 324	36 728	14 496
Private	18 381	17 359	6 940	48 427	9 955
Government					
Civil	487	7 822	1 171	2 968	307
Military	548	9 598	2 253	451	124
Distribution of Itinerant Movements by Geographic Area					
Domestic					
Unit Toll	12 012	40 309	11 973	92 916	5 484
Charter	277	1 632	551	6 216	626
Other Commercial	28 308	38 703	23 013	31 218	13 974
Private	14 451	14 423	5 811	30 001	6 734
Government					
Civil	463	7 665	1 166	2 928	298
Military	477	8 581	2 178	305	94
Domestic Total	55 988	111 313	44 692	163 584	26 846

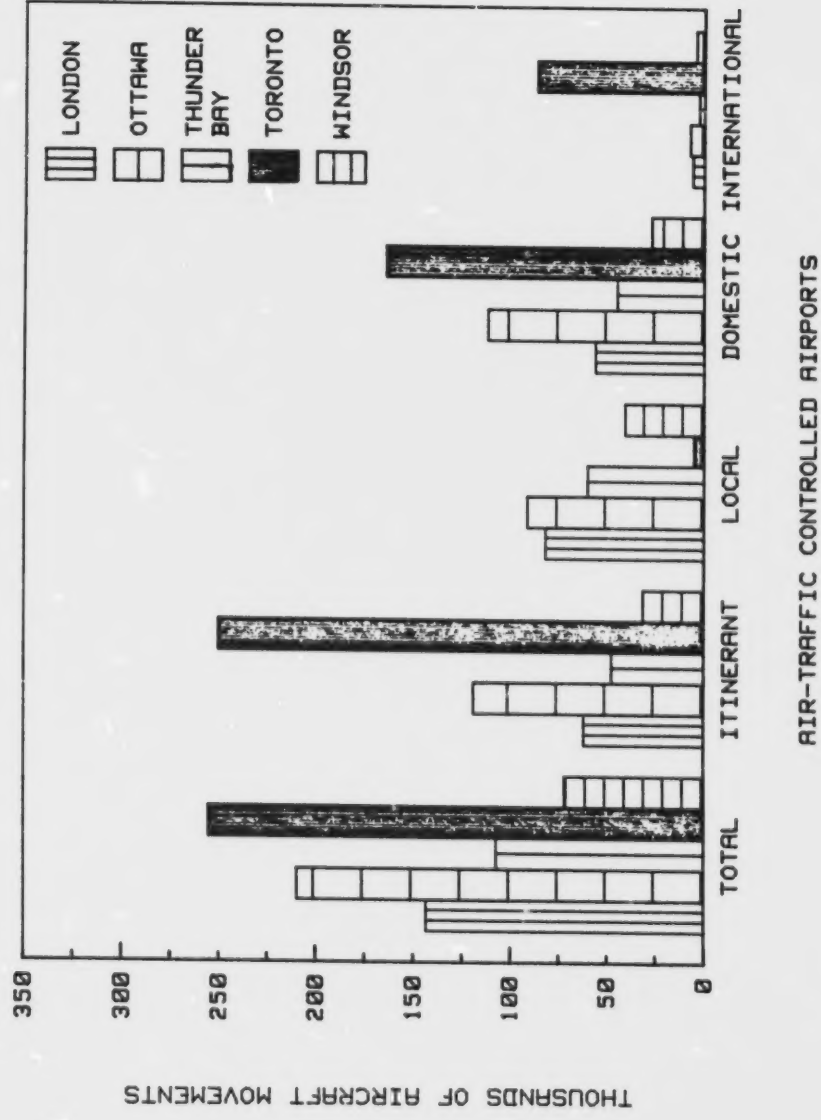
NOTE: *Includes United States and other International.

SOURCE: Aviation Statistics Centre, Statistics Canada, Ottawa, Ontario, as shown in Ontario Statistics 1982, Ontario Ministry of Treasury and Economics.



Air

Figure AP 14 – Distribution of Total Aircraft Movements at Air-Traffic Controlled Airports by Selected City, Ontario, 1980



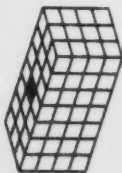


Table AP 15 - Airports with Transport Canada Towers, Total Aircraft Movements by Class of Operation, Annual 1982

AIRPORTS	TOTAL ANNUAL 1981	ANNUAL 1982			
		GRAND TOTAL	RANK	ITINERANT RANK	LOCAL RANK
Abbotsford	176 268	115 617	18	50 404	65 213
Baie Comeau	28 543	29 453	57	18 324	13
Brandon	60 611	55 350	39	18 044	51
Butterville**	199 982	199 193	5	60 264	26
Calgary International	233 170	198 456	6	157 846	3
Castlegar	40 153	33 429	55	13 151	40 610
Charlottetown	21 287	30 615	56	15 289	23
Edmonton International	94 937	80 894	28	67 210	38
Edmonton Municipal	185 963	144 411	13	139 851	44
Fort McMurray	62 843	60 724	33	37 522	47
Fort St. John	70 792	45 711	48	34 307	12 714
Fredericton	78 319	55 707	38	27 413	18 211
Gander International	31 510	36 291	51	23 673	1 507
Goose Bay	33 139	33 634	54	27 040	50
Grande Prairie	71 820	46 779	45	33 312	2 863
Halifax International	88 429	79 622	30	54 832	309
Hamilton City**	176 871	158 825	9	49 196	40
Kamloops	80 464	60 546	34	32 720	1 645
Kelowna	75 499	49 777	44	32 343	2 351
Langley	174 017	122 061	17	42 375	5 330
Lethbridge	57 180	45 980	47	25 063	1 449
London**	120 577	115 346	19	47 377	2 372
Mirabel International	45 199	43 415	49	29 285	2 064
Moncton	115 131	83 914	27	36 474	1 720
Montreal International	168 817	156 691	11	155 854	2 524
North Bay**	87 542	97 915	24	37 613	10 787
Oshawa**	114 200	98 217	23	32 534	1 328
Ottawa International	199 926	172 550	7	107 729	17 013
Penticton	51 368	38 168	50	21 427	58
Pitt Meadows	251 048	155 592	12	51 247	8 026
Prince George	77 044	58 419	36	36 593	8 358
Quebec	145 587	126 147	16	82 975	1 607
Regina	119 474	95 126	25	57 093	5 132
Saint John	42 369	34 554	53	19 152	4 464
Saskatoon	133 133	103 104	22	56 183	478
Sault Ste. Marie**	55 384	53 246	41	22 630	796
Sept-Îles	67 543	54 170	40	38 977	982
Springbank	231 736	170 217	8	47 783	1 697
St. Andrews	203 341	139 928	14	34 556	2 779
St. Catharines**	90 440	74 615	31	23 977	1 166
St. Honore	105 204	80 435	29	17 939	3 582
					1 508

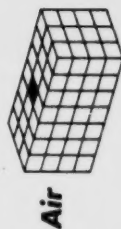


Table AP 15 - Airports with Transport Canada Towers, Total Aircraft Movements by Class of Operation, Annual 1982 (Continued)

AIRPORTS	TOTAL ANNUAL 1981	ANNUAL 1982				R-88*
		GRAND TOTAL	RANK	ITINERANT	LOCAL	
St. Hubert	263 414	244 649	1	79 701	164 939	5 267
St. Jean	75 102	53 242	42	18 865	34 377	4 382
St. John's	71 470	57 287	37	29 272	28 015	32 157
Sudbury**	63 857	62 562	32	26 754	35 808	27 4 651
Sydney	17 550	10 344	59	8 986	1 358	57 174
Thompson	41 264	34 686	52	25 792	8 894	52 863
Thunder Bay**	110 427	112 665	20	44 141	68 524	10 93
Toronto International**	248 318	238 451	2	234 946	3 505	56 19 663
Toronto Island**	214 581	207 837	4	65 765	142 072	2 7 652
Val D'or	38 806	28 074	58	20 003	8 071	53 818
Vancouver Harbour	42 098	27 902	-	27 633	-	- 7 906
Vancouver International	262 643	227 595	3	227 437	158	59 18 679
Victoria International	187 611	157 217	10	94 454	62 763	15 13 880
Villeneuve	131 384	112 158	21	26 776	85 382	8 2 325
Waterloo-Wellington**	104 759	86 096	26	30 178	55 918	18 2 882
Whitehorse	74 513	46 349	46	28 059	18 290	39 275
Windsor**	66 449	60 422	35	22 979	37 443	25 1 397
Winnipeg International	153 439	134 709	15	103 626	31 083	29 1 457
Yellowknife	66 117	51 785	43	33 656	18 129	40 585
1982 Towers 60	-	5 588 865	-	3 066 600	2 522 265	-
1981 Towers 60	-	6 700 662	-	3 569 176	3 131 486	-
1980 Towers 61	-	7 065 403	-	3 697 530	3 367 873	-
1979 Towers 61	-	7 200 615	-	3 645 105	3 555 510	-

NOTE: This table is extracted from the service bulletin on the operations of the Canadian Air Transport Industry. Data in the bulletin are preliminary and are available, for the most part, in a more comprehensive form from a series of regular reports produced by the Aviation Statistics Centre of Statistics Canada.

*R-88 (Runway-88) are through control zone flights, i.e. flights which communicate with the tower while transiting the control zone to another destination without landing at the reporting airport. Data for runway-88 are not included in the grand total.

**Fourteen airports in Ontario with Transport Canada towers.

SOURCE: Aviation Statistics Centre, Service Bulletin, Vol. 15, No. 7, Catalogue 51-004/ISSN 0068-7057, July 1983, Statistics Canada, Ottawa, Ontario.

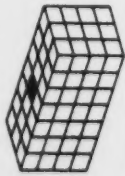
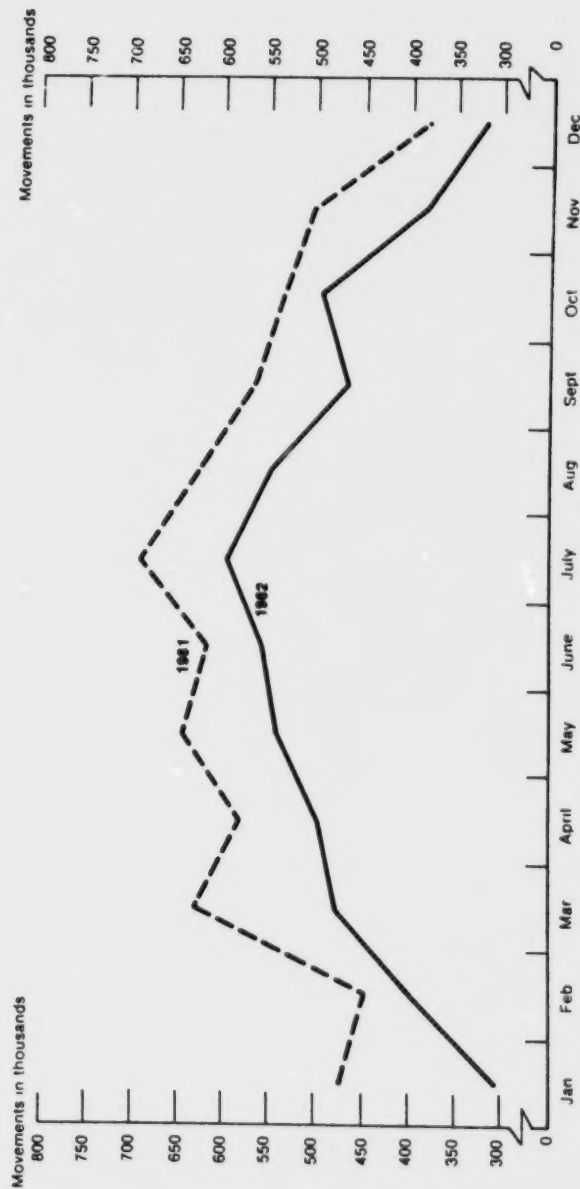


Figure AP 15A — Total Aircraft Movements at Airports with Transport Canada Air Traffic Control Towers: January—December, 1981—1982



SOURCE: AIRCRAFT MOVEMENT STATISTICS, ANNUAL REPORT 1982,
Aviation Statistics Centre, Transport Canada, Air, September 1983, p. iv

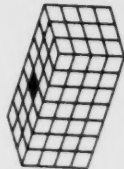
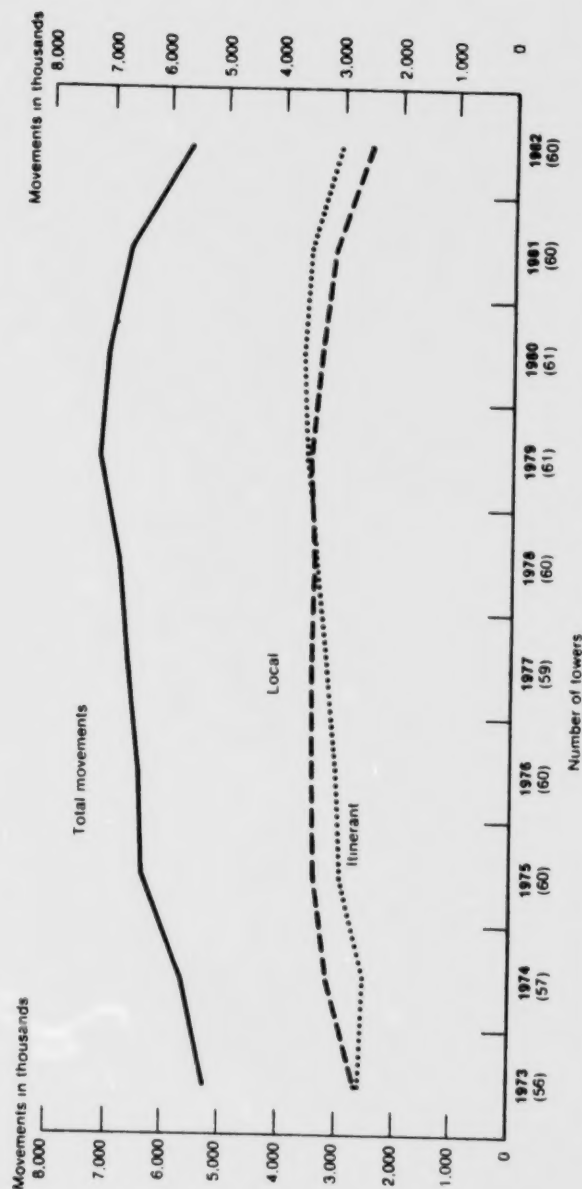


Figure AP 15B - Total Aircraft Movements by Class of Operation at Airports with Transport Canada Air Traffic Control Towers, 1973-1982



SOURCE: AIRCRAFT MOVEMENT STATISTICS, ANNUAL REPORT 1982, Aviation Statistics Centre, Transport Canada, Air, September 1983, p. iv.

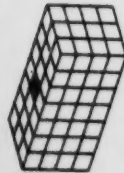
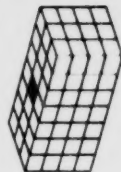


Table AP 16 - Scheduled Canada - U.S.A. Air Passenger Origin and Destination - 1st Quarter 1981 and 1982

Rank	City Pair	1981			1982		
		1st Quarter	Year-to-date	Year-to-date	1st Quarter	Year-to-date	%Change Year-to-date
1	Toronto-New York	142 140	142 140	126 860	126 860	126 860	- 10.7
2	Montreal-Miami	96 180	96 180	73 700	73 700	73 700	- 23.4
3	Montreal-New York	72 020	72 020	69 690	69 690	69 690	- 3.2
4	Toronto-Miami	59 260	59 260	55 800	55 800	55 800	- 5.8
5	Toronto-Tampa/St. Petersburg	59 630	59 630	54 720	54 720	54 720	- 8.2
6	Toronto-Chicago	44 880	44 880	39 990	39 990	39 990	- 10.9
7	Toronto-Los Angeles	45 920	45 920	39 860	39 860	39 860	- 13.2
8	Montreal-Fort Lauderdale	52 330	52 330	36 580	36 580	36 580	- 30.1
9	Montreal-Tampa/St. Petersburg	22 840	22 840	29 950	29 950	29 950	- 31.1
11	Vancouver-Honolulu	34 510	34 510	29 790	29 790	29 790	- 13.7
10	Vancouver-Los Angeles	36 360	36 360	28 740	28 740	28 740	- 21.0
12	Calgary-Los Angeles	27 450	27 450	27 800	27 800	27 800	1.3
13	Toronto-Boston	26 200	26 200	27 050	27 050	27 050	3.2
14	Montreal-Boston	28 380	28 380	25 630	25 630	25 630	- 9.7
15	Toronto-Fort Lauderdale	34 520	34 520	22 900	22 900	22 900	- 33.7
16	Toronto-San Francisco	32 520	32 520	22 700	22 700	22 700	- 30.2
17	Edmonton-Los Angeles	17 320	17 320	18 970	18 970	18 970	- 9.5
18	Vancouver-San Francisco	23 550	23 550	18 570	18 570	18 570	- 21.1
19	Montreal-Chicago	16 710	16 710	16 150	16 150	16 150	- 3.4
20	Toronto-Las Vegas	27 380	27 380	15 510	15 510	15 510	- 43.3
21	Toronto-Detroit/Ann Arbor	14 200	14 200	14 970	14 970	14 970	5.4
22	Toronto-Washington/Baltimore	16 430	16 430	14 710	14 710	14 710	- 10.5
23	Montreal-Los Angeles	15 400	15 400	14 640	14 640	14 640	- 4.9
24	Ottawa-Miami	14 450	14 450	13 710	13 710	13 710	- 5.1
25	Toronto-Philadelphia	11 420	11 420	13 250	13 250	13 250	16.0
Total		972 000	972 000	852 240	852 240	852 240	- 12.3
Total All Cities		1 960 340	1 960 340	1 734 300	1 734 300	1 734 300	- 11.5

NOTE: The above statistics are derived from two O & D Surveys - the Canadian Survey in which the major Canadian carriers participate and the U.S. Survey conducted by the Civil Aeronautics Board to which all certificated U.S. air carriers report. The sets of data are merged and a composite Canada-U.S.A. O & D picture of scheduled air services is formed. The ranking is based on 1st Quarter, 1982 data.

SOURCE: Aviation Statistics Centre, Service Bulletin, Volume 15, No. 8, Catalogue 51-004/ISSN 0068-7057, August 1983, Statistics Canada, Ottawa, Ontario.



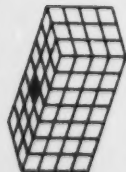
Air

Table AP 17 - Scheduled Domestic Air Passenger Origin and Destination - 1st Quarter 1981 and 1982

Rank	City Pair	1981		1982		%Change Year-to-date
		1st Quarter	Year-to-date	1st Quarter	Year-to-date	
1	Montreal-Toronto	292 300	292 300	276 950	276 950	- 5.3
2	Ottawa-Toronto	149 480	149 480	149 230	149 230	- 0.2
3	Calgary-Edmonton	185 770	185 770	143 530	143 530	- 22.7
4	Toronto-Vancouver	102 370	102 370	99 630	99 630	- 2.7
5	Calgary-Vancouver	102 100	102 100	98 980	98 980	- 3.1
6	Calgary-Toronto	84 010	84 010	92 620	92 620	10.2
7	Edmonton-Vancouver	85 610	85 610	78 940	78 940	- 7.8
8	Toronto-Winnipeg	61 540	61 540	61 550	61 550	0.0
9	Edmonton-Toronto	57 050	57 050	58 650	58 650	2.8
10	Thunder Bay-Toronto	41 720	41 720	48 010	48 010	15.1
11	Halifax-Toronto	40 980	40 980	45 390	45 390	10.8
12	Kelowna-Vancouver	27 650	27 650	41 260	41 260	49.2
13	Prince George-Vancouver	38 240	38 240	35 860	35 860	- 6.2
14	Sault-Ste-Marie-Toronto	29 530	29 530	32 820	32 820	11.1
15	Vancouver-Winnipeg	38 980	38 980	31 680	31 680	- 18.7
16	Calgary-Winnipeg	28 590	28 590	30 770	30 770	7.6
17	Montreal-Vancouver	29 770	29 770	27 660	27 660	7.1
18	Halifax-Montreal	28 520	28 520	25 280	25 280	- 11.4
19	Montreal-Quebec	40 960	40 960	23 290	23 290	- 43.1
20	Calgary-Montreal	20 300	20 300	22 930	22 930	13.0
21	Edmonton-Winnipeg	23 710	23 710	21 700	21 700	- 8.5
22	Sudbury-Toronto	23 680	23 680	21 580	21 580	- 8.9
23	Toronto-Windsor	22 250	22 250	20 500	20 500	- 7.9
24	Quebec-Toronto	21 240	21 240	20 290	20 290	- 4.5
25	Calgary-Regina	17 390	17 390	20 120	20 120	15.7
Total		1 593 740	1 593 740	1 529 220	1 529 220	- 4.0
Total All Cities		3 028 650	3 028 650	2 854 700	2 854 700	- 5.7

NOTE: The air carriers participating in the O & D Survey are Air Canada, Air Ontario, CP Air, Eastern Provincial Airways, Nordair, Pacific Western Airlines and Quebecair.

SOURCE: Aviation Statistics Centre, Service Bulletin, Volume 15, No. 8, Catalogue 51-004/ISSN 0068-7057, August 1983, Statistics Canada, Ottawa, Ontario.



Air

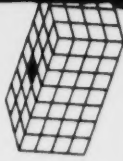
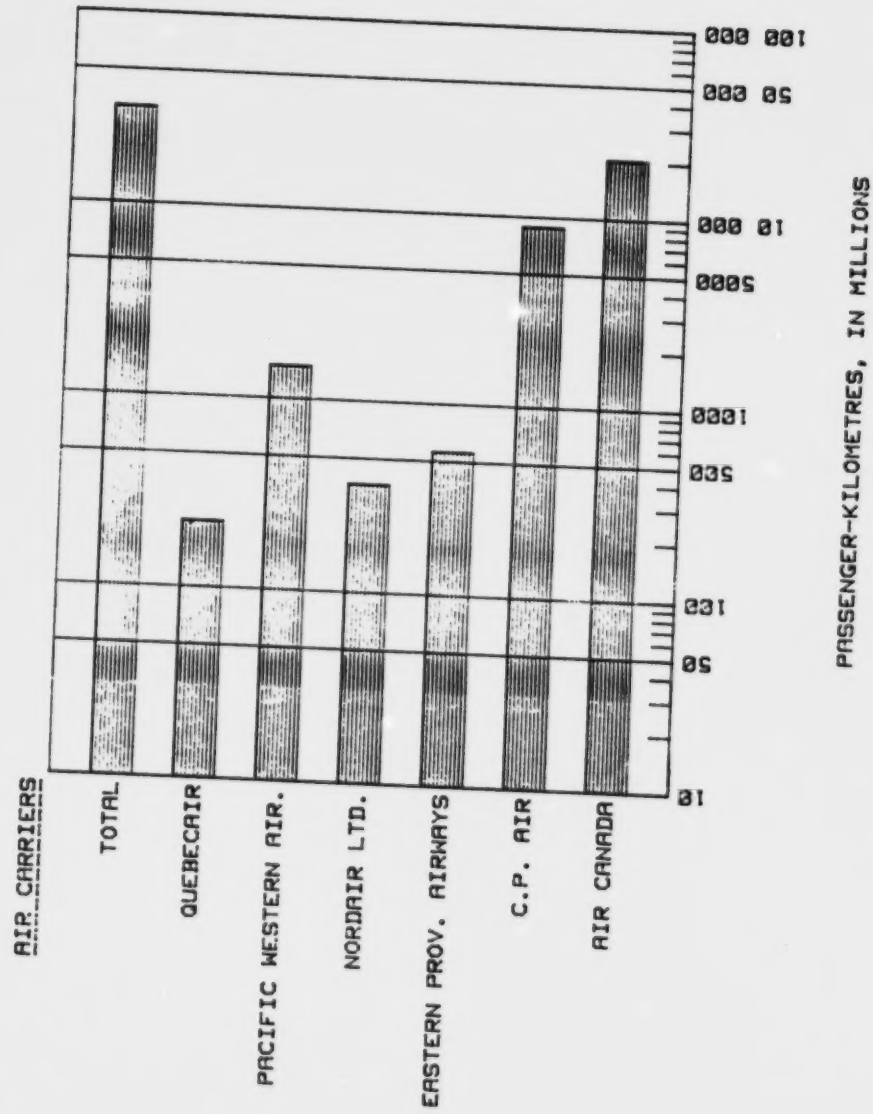
Table AP 18 - Level 1 Canadian Air Carriers, Unit Toll Operating Services, Preliminary Statistics, Annual 1982

	Air Canada	C.P. Air	Eastern Provincial Airways (1963) Ltd.	Nordair Ltd.	Pacific Western Airlines Ltd.	Quebecair	Total
Operating Statistics							
Unit Toll Services							
Enplaned Passengers	'000	3 290	912	465	3 136	465	19 194
Passenger-kilometres	'000	8 901 629	563 276	368 251	1 485 850	222 297	32 080 477
Available Seat-kilometres	'000	13 593 422	1 180 025	--	2 855 904	441 009	50 833 889
Passenger Load Factor	%	65.48	47.73	--	52.03	50.41	
Goods* (Kg)	'000	211 271	9 627	12 597	23 215	2 246	314 289
Passenger Tonne-kilometres	'000	1 863 283	51 100	33 408	134 794	20 166	2 910 293
Goods Tonne-kilometres	'000	555 442	7 508	28 144	20 441	1 702	889 222
Total Tonne-kilometres	'000	2 418 725	58 608	61 552	155 235	21 868	3 799 515
Available Tonne-kilometres	'000	4 879 578	110 005	--	370 113	43 940	7 319 330
Weight Load Factor	%	49.57	53.28	--	41.94	49.77	
Hours flown	'000	343	25	16	45	11	542
Flight departures	'000	170	28	16	65	14	340
Kilometres flown	'000	207 645	11 751	9 800	25 851	5 016	327 359
Unit Toll Revenues (\$)	'000	2 062 341	88 834	70 035	253 626	41 628	3 258 728

NOTE: * Goods includes all types of non-passenger traffic, that is, freight, express, mail and excess baggage.
- Level I includes Air Canada, C.P. Air, Eastern Provincial Airways, Nordair, Quebecair, Pacific Western Airlines and Wardair.

SOURCE: Aviation Statistics Centre, Service Bulletin, Vol. 15, No. 9, September 1983, Catalogue 51-004/ISSN 0068-7057, Statistics Canada, Ottawa, Ontario.

Figure AP 18 - Passenger-Kilometres for Level 1 Canadian Air Carriers, 1982 Annual



Air

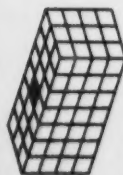


Table AP 19 — Major Canadian Air Transport Carriers — Level I, * Operating Statistics (Unit Toll and Charter Services); Scheduled Air Passengers Origin and Destination, Domestic and Transborder

**A. MAJOR CANADIAN AIR TRANSPORT CARRIERS -- LEVEL I, *
OPERATING STATISTICS (UNIT TOLL AND CHARTER SERVICES)**

(in millions)	September			Year to Date		
	1982	1983	% Change	1982	1983	% Change
Op. Revenues (\$)	344.0	346.3	1	3 044.9	2 954.1	-3
Op. Expenses (\$)	319.4	316.6	-1	3 023.8	2 913.6	-4
Op. Income (\$)	24.6	29.7		21.2	40.4	
Passenger-km	3 921.7	3 795.0	-3	35 132.8	32 680.0	-7
Goods tonne-km	73.2	80.5	10	633.5	695.7	10

NOTE * Level I now includes Air Canada, C.P. Air, Eastern Provincial Airways, Nordair, Quebecair, Pacific Western Airlines and Wardair.

**B. SCHEDULED AIR PASSENGER ORIGIN AND DESTINATION
DOMESTIC AND TRANSBORDER**

(passengers in thousands)

Rank	City Pair	I Quarter		Year to Date	
		1981	% Change	1981	% Change
Domestic					
1.	Montreal - Toronto	292.3	-5	292.3	-5
2.	Ottawa - Toronto	149.5	--	149.5	--
3.	Calgary - Edmonton	185.8	-23	185.8	-23
4.	Toronto - Vancouver	102.4	-3	102.4	-3
5.	Calgary - Vancouver	102.1	-3	102.1	-3
Transborder					
1.	Toronto - New York	142.1	-11	142.1	-11
2.	Montreal - New York	72.0	-3	72.0	-3
3.	Toronto - Chicago	44.9	-11	44.9	-11
4.	Toronto - Los Angeles	45.9	-13	45.9	-13
5.	Vancouver - Los Angeles	36.4	-21	36.4	-21

SOURCE: TRANSPORTATION INTELLIGENCE REPORT, Vol. 10, No. 2, December 1983, Canadian Transport Commission, Research Branch, Economic and Social Research Directorate, Ottawa, Ontario.

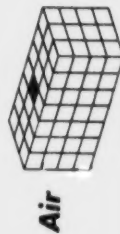


Table AP 20 - Canadian Major Airlines, Level I, Advance Operational and Financial Statistics

	1983 September	1983 Jan. - Sept.	1982 Jan. - Sept.	Change %
(Thousands)				
Unit Toll and Charter Services				
Enplaned Passengers	1 824	16 039	18 134	-11.6
Passenger-miles	2 358 120	20 306 418	21 830 483	-7.0
Passenger-kilometres	3 795 027	32 680 013	35 132 756	-7.0
Enplaned Pounds of Goods	62 156	580 603	570 920	+1.7
Enplaned Kilograms of Goods	28 194	263 356	258 965	+1.7
Goods Ton-miles	55 148	476 501	433 949	+9.8
Goods Tonne-kilometres	80 515	695 678	633 554	+9.8
Miscellaneous				
Hours Flown (Unit Toll and Charter)	49	447	484	-7.6
Gallons of Turbo Fuel Consumed	57 814	526 272	591 982	-11.1
Litres of Turbo Fuel Consumed	262 828	2 392 480	2 691 205	-11.1
Financial Statistics				
Total Operating Revenues	\$ 346 330	2 954 098	3 044 945	-3.0
Total Operating Expenses	\$ 316 621	2 913 658	3 023 786	-3.6
Total Interest Expenses	\$ 11 620	101 168	--	--

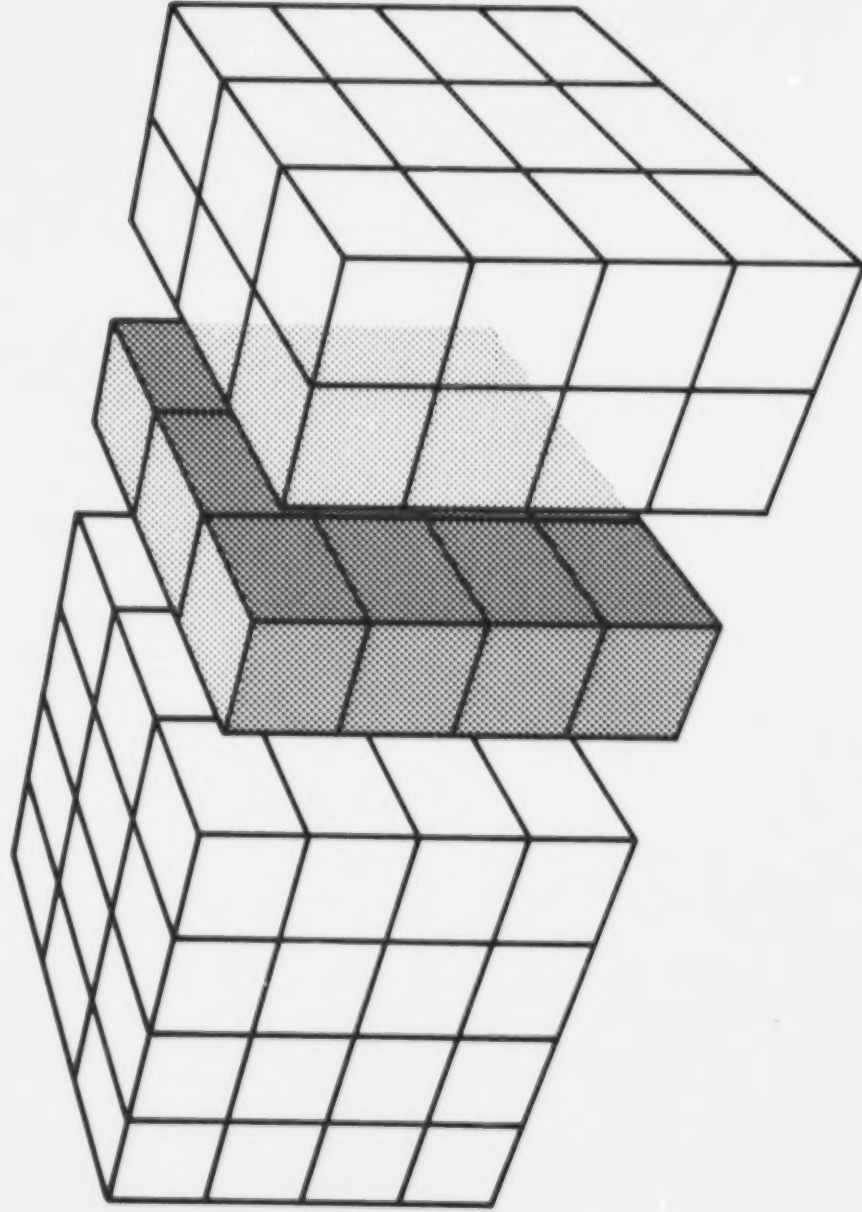
NOTE: Level I now includes: - Air Canada, C.P. Air, Eastern Provincial Airways, Nordair, Quebecair, Pacific Western Airlines and Wardair.

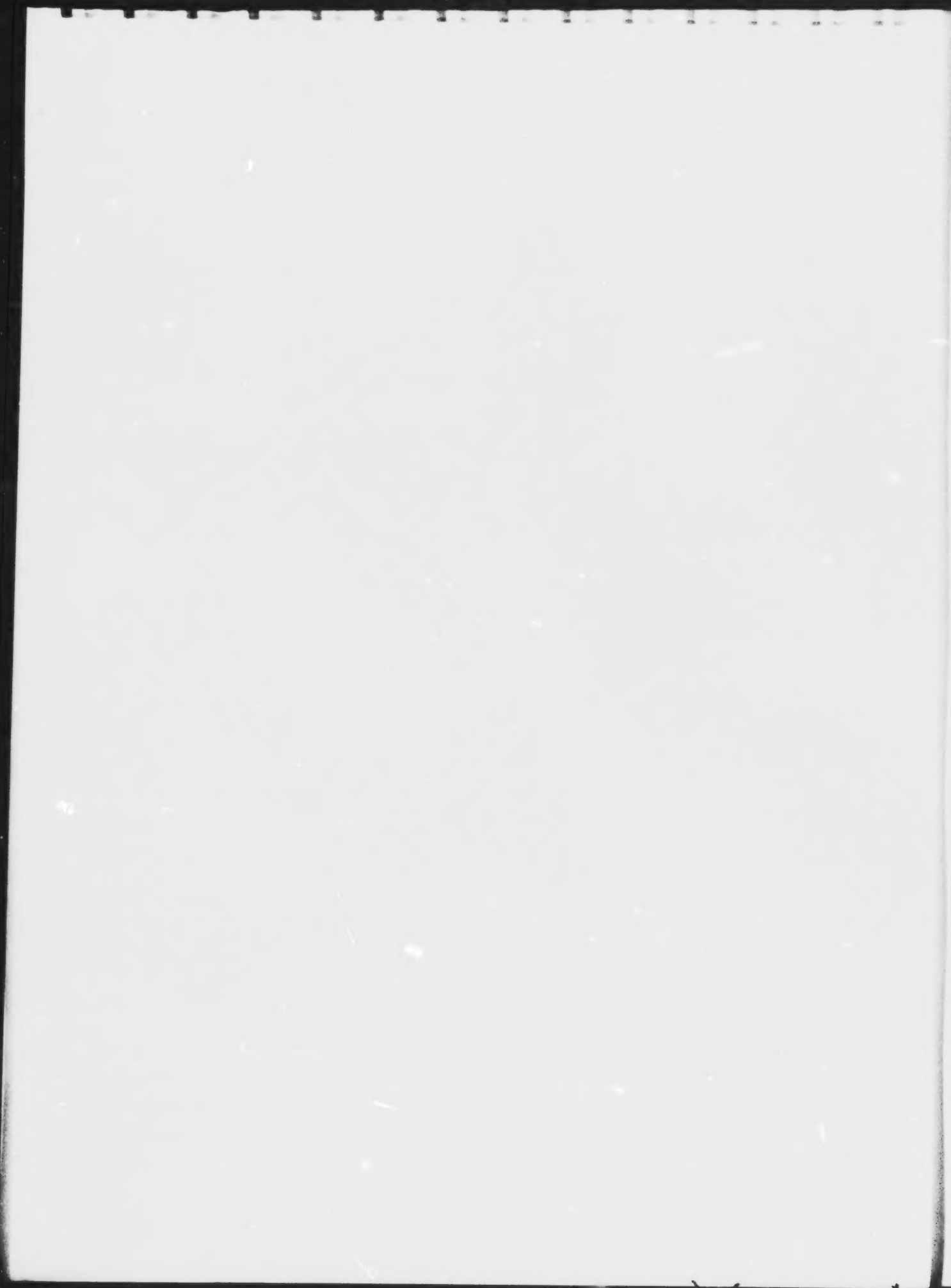
As of July 1983, Regionalair was merged with Quebecair and thereafter combined operations were carried out by Quebecair.

Please note that the year-to-date have been adjusted.

SOURCE: Aviation Statistics Centre, Service Bulletin, Vol. 15, No. 11, November 1983, Catalogue 51-004/ISSN 0068-7057, Statistics Canada, Ottawa, Ontario.

Marine





5. Marine

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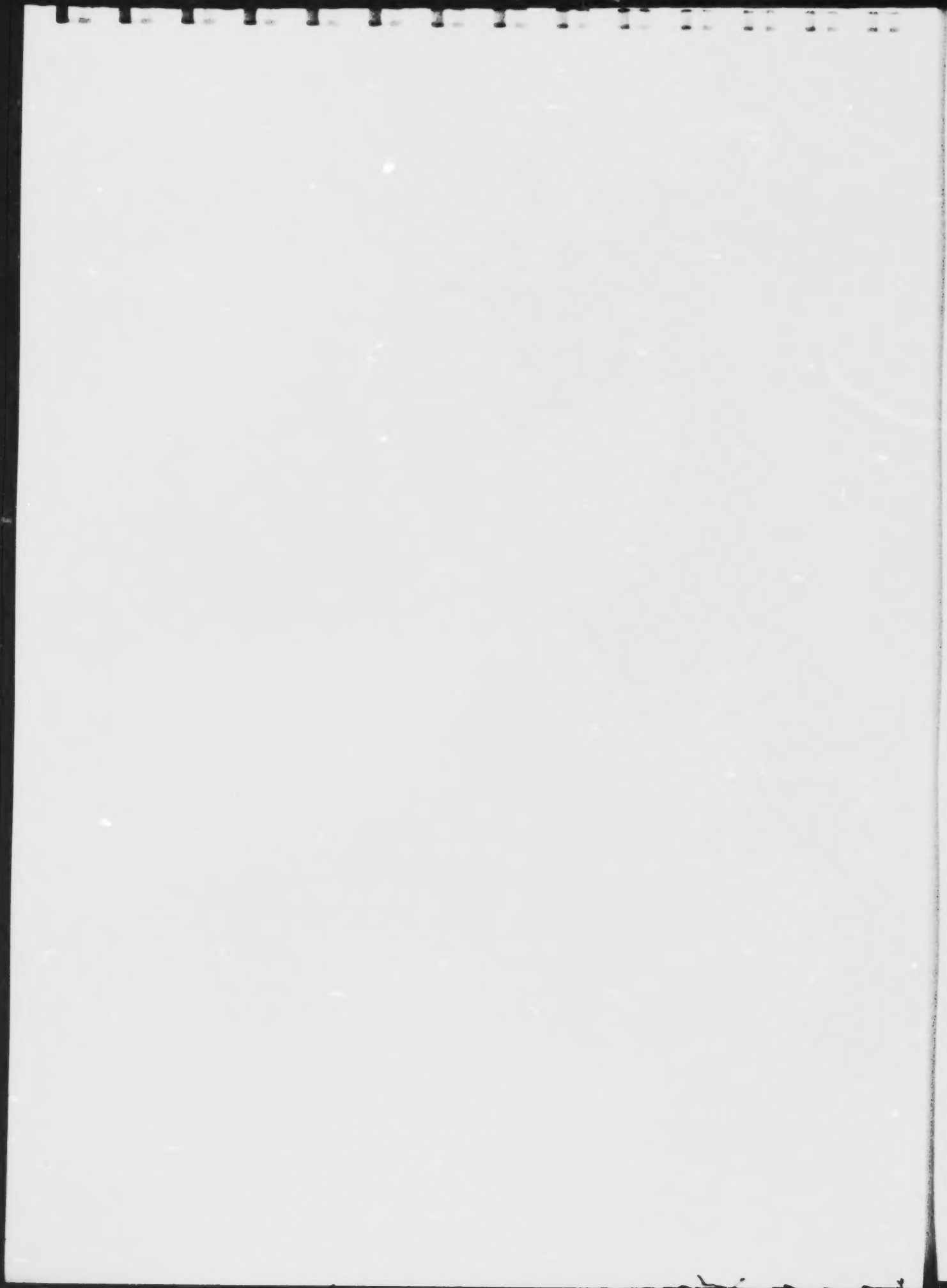
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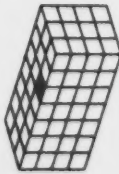


Table and Figure MI 1 — Ports and Dock Facilities Locations in Ontario

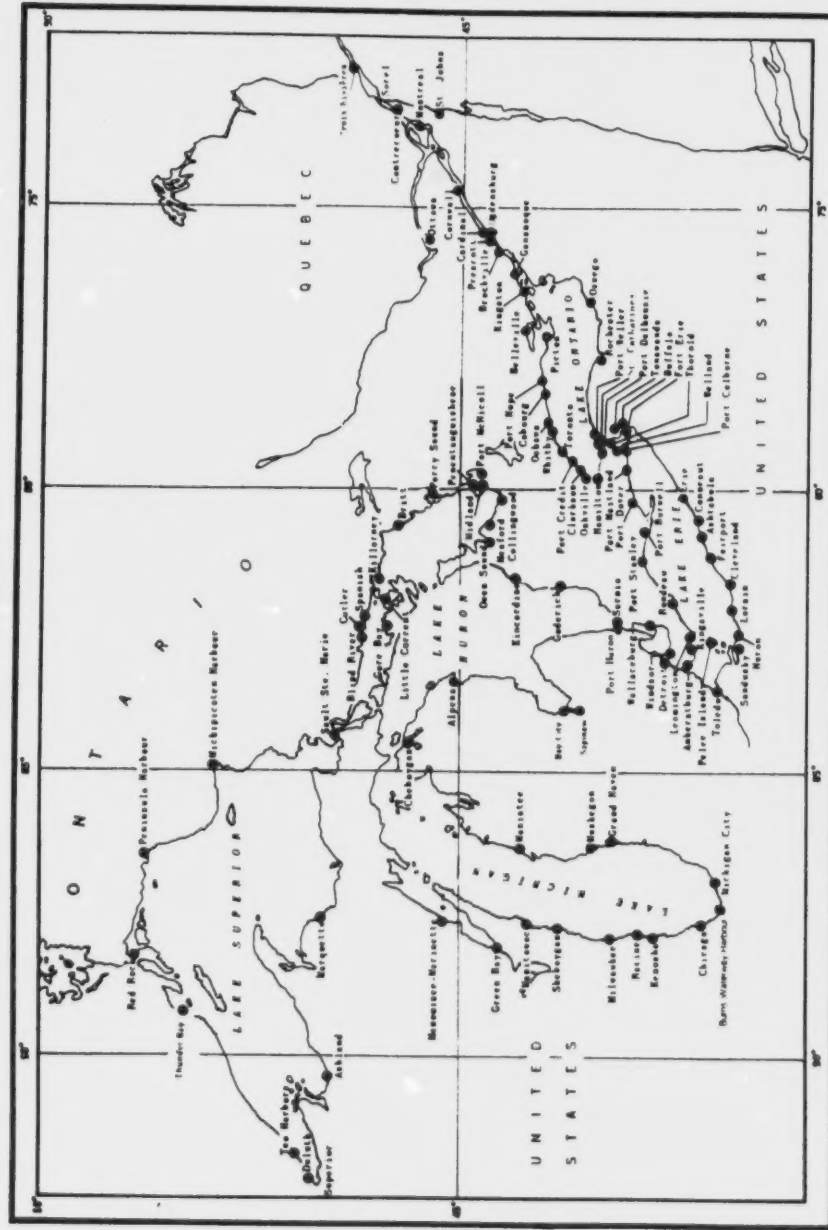
(in alphabetical order)

- Amherstburg
- Bath
- Belleville
- Blind River
- Bowmanville
- Britt
- Brockville
- Cardinal
- Clarkson
- Cobourg
- Colborne
- Collingwood
- Cornwall
- Coruna
- Courtwright
- Cutler
- Depot Harbour
- Fisher Harbour
- Fort Albany
- Gananoque
- Goderich
- Gore Bay
- Hamilton
- Humberstone
- Kenora
- Killarney
- Kingston
- Kingsville
- Lakeview
- Leamington
- Little Current
- Manitoulin Dolomite
- Marathon
- McGregor Bay
- Meaford
- Michipicoten Harbour
- Midland
- Millhaven
- Mississauga
- Mohr's Landing
- Moorestown
- Moose River
- Morrisburg
- Nanticoke
- North Bay
- Oakville
- Oshawa
- Owen Sound
- Parry Sound
- Pellee Island
- Penetanguishene
- Picton
- Port Colborne
- Port Credit
- Port Dalhousie
- Port Hope
- Port Lambton
- Port Maitland
- Port McNicoll
- Port Stanley
- Port Weller
- Prescott
- Red Rock
- Rondeau
- St. Catharines
- Samia
- Sault Ste. Marie
- Sombra
- South Baymouth
- Spanish
- Spragge
- Stella
- Thorold
- Thunder Bay
- Tobermory
- Toronto
- Walkerville
- Wallaceburg
- Malpoe Island
- Welland
- Whitby
- Windsor
- Wolfe Island

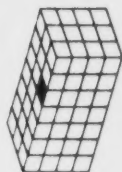
NOTE: • Public Ports
• Private Ports
• Harbour Commissions
• National Harbours
• Dock Facilities for Board Ports
• Pleasure Crafts

SOURCE: 1. Ontario Ports Study, Index Map;
2. W.D. Winkworth, Marine and Pipeline Office,
Ontario Ministry of Transportation and Communications.

GREAT LAKES AREA

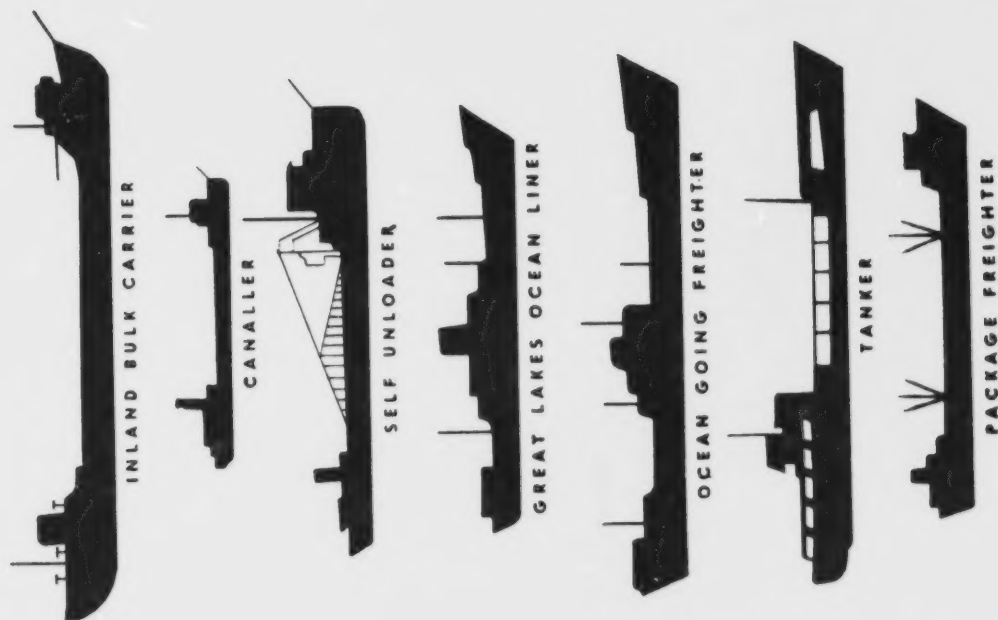


SOURCE: Canadian Ports and Seaway Directory



Marine

Figure MI 1A - Types of Ships that Pass by Night and Day Through the St. Lawrence Seaway



SOURCE: SEAWAY MARITIME DIRECTORY 1984,
Twenty Fifth Edition, United States-Canada,
The Fourth Seacoast Publication Co. Inc.,
St. Clair Shores, Michigan 48080, U.S.A.

Table MI 2 - Licensed Ships in Canada, 1978

Water System	Licensee	No. of Licensed Ships
Great Lakes	McKeil Work Boats Ltd.	1
	Power Corporation of Canada	4
		<u>5</u>
Mackenzie River	Arctic Transportation Ltd.	29
	Cooper Barging Service Ltd.	6
	Lindberg Transport Ltd.	11
	Little (3) Transport & Salvage Ltd.	3
	Northern Transportation Co. Ltd.	195
	Streeper Bros. Marine Transport Ltd.	9
		<u>253</u>
Canadian Western Arctic	Arctic Transportation Ltd.	19
	Lindberg Transportation Co.	6
	Northern Transportation Co. Ltd.	67
		<u>92</u>
	GRAND TOTAL	<u>350</u>

NOTE:

The Water Transport Committee (WTC) has jurisdiction over transport by water under federal authority through the administration of the Transport Act.

Fourteen applications for water transport licences were received by the Committee during 1978, three for the Great Lakes, seven for the Mackenzie River area and four for the Canadian Western Arctic.

Licences were granted to two of three Great Lakes applicants in respect of five ships.

On the Mackenzie River, licensing authority was granted to six of seven applicants in respect of 253 ships.

The Committee ruled that licensing authority be granted for the vessels applied for, but detailed more specific constraints than was the case in the licence authorized in 1977.

SOURCE:

The Twelfth Annual Report of the Canadian Transport Commission, 1978. Minister of Supply and Services Canada, 1979, p.71.

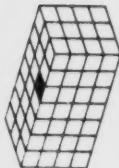
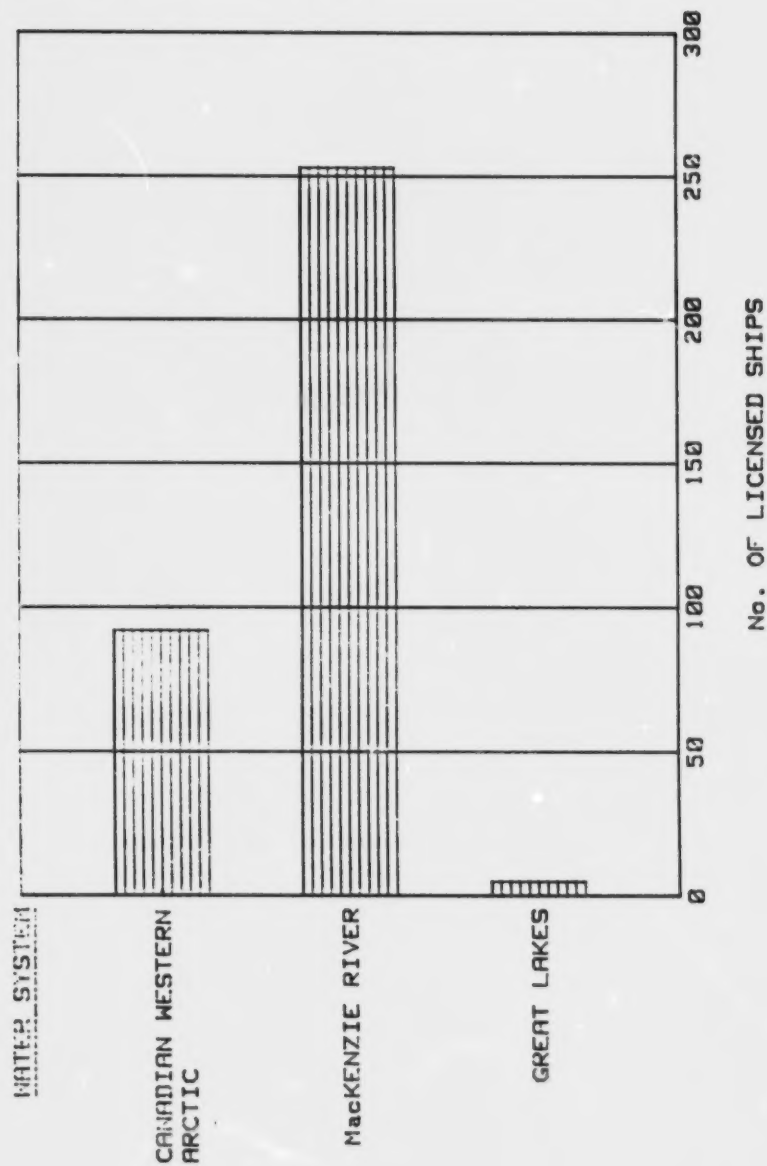


Figure M1 2 - Licensed Ships in Canada, 1978



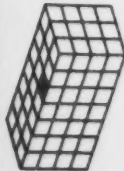
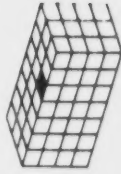


Table MI 3 - Seaway Opening/Closing Navigation Dates, 1959-1982

Year	Montreal-Lake Ontario Section			Welland Canal Section		
	Opened	Closed	Days of Navigation	Opened	Closed	Days of Navigation
1959	April 25	December 3	223	April 1	December 15	259
1960	April 18	December 3	230	April 1	December 16	260
1961	April 15	December 5	235	April 1	December 16	260
1962	April 15	December 7	244	April 1	December 16	260
1963	April 15	December 13	243	April 1	December 18	262
1964	April 8	December 7	243	March 30	December 15	261
1965	April 8	December 16	253	March 30	December 16	262
1966	April 1	December 15	259	April 4	December 16	257
1967	April 7	December 15	253	April 1	December 15	259
1968	April 8	December 14	253	April 1	December 22	266
1969	April 7	December 15	253	April 1	December 22	266
1970	April 4	December 17	258	April 1	December 30	274
1971	April 14	December 20	251	March 29	January 7	285
1972	April 12	December 23	256	March 29	December 15	262
1973	March 28	December 22	270	March 28	January 4	283
1974	March 26	December 17	267	March 29	January 17	295
1975	March 25	December 20	271	March 25	December 31	282
1976	April 3	December 24	266	April 1	January 3	278
1977	April 4	December 26	267	April 4	December 31	272
1978	April 3	December 22	264	March 28	December 31	279
1979	April 2	December 22	265	March 28	December 29	277
1980	March 24	December 19	271	March 24	December 31	283
1981	March 25	December 20	271	March 25	December 27	278
1982	April 5	December 21	261	April 5	December 23	263

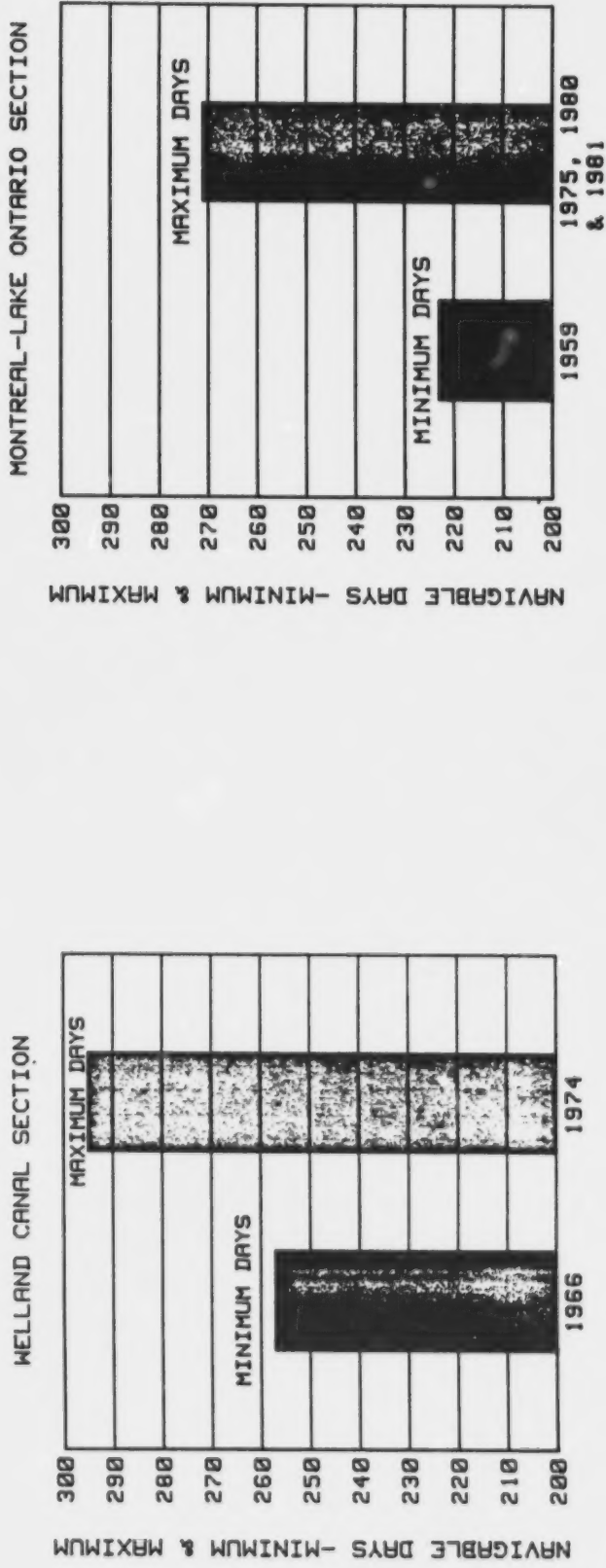
NOTE: Actual dates reflect date of first/last commercial vessel entering or leaving the lock system.

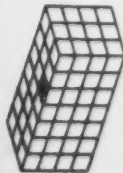
SOURCE: 1982 ANNUAL REPORT, U.S. Department of Transportation. Saint Lawrence Seaway Development Corporation.



Marine

Figure MI 3 - Seaway Opening/Closing - Minimum and Maximum Navigable Days, 1959-1981, for Welland Canal Section and Montreal-Lake Ontario Section



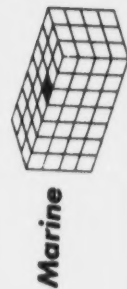


Authored and edited by John O. Greenwood, M.B.A. of Cleveland, Ohio, published by Freshwater Press, Inc., 334 The Arcade, Cleveland, Ohio, U.S.A. 44114

In each its annual edition, the guide is listing Canadian and United States information and data on shipping and related subjects:

- Bulk freighters,
- Package freighters and carferriers,
- Crane vessels and cargo barges,
- Self-unloaders on the Great Lakes,
- Tug vessels,
- Distance tables and glossary:
 - Distances between points on Great Lakes
 - Distances between points on Lake Ontario and St. Lawrence River, etc.,
- Compartment capacities,
- Fleets,
- Great Lakes and St. Lawrence River grain elevators,
- Ore docks,
- Stone, sand and bulk dry cargo docks,
- General cargo docks and stevedoring,
- Liquid cargo docks and lumbering,
- Shipyards - repairers and personnel,
- Vessels on the Great Lakes listed in a longevity table with analysis of the present composition of the freight vessel fleets,
- Port profiles and salvage, ship buyers and breakers.
- Industrial suppliers, services, provisions, etc.
- Pollution control.

Table MI 5 — Marine Firms in Selected Ontario Ports

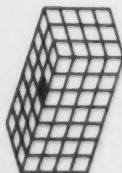


Marine

Goderich
Hamilton
Kingston
Midland
Oshawa
Owen Sound
Parry Sound
Port Colborne
Port Dalhousie

Port Weller
Prescott
St. Catharines
Sarnia
Sault Ste. Marie
Thorold
Thunder Bay
Toronto
Windsor

SOURCE: 1979 CANADIAN PORTS AND SEAWAY DIRECTORY

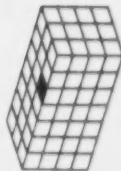
**Table MI 6 – Marine Shipping Lines Originating From or Calling at Ontario Ports, 1979**

1. ATLANTIC CONTAINER LINE (CANADA) LTD. from Toronto, Montreal and Saint John in summer, Saint John in winter, to Japan, Korea, Hong Kong and Singapore.
2. CANADIAN CITY LINE from Toronto and Montreal in summer, Saint John in winter, to South Africa and East Africa.
3. CHRISTENSEN CANADIAN AFRICAN LINES from Toronto and Montreal in summer, Saint John in winter for East African and South African ports.
4. COLUMBUS LINE from Hamilton, Toronto, Montreal and Halifax in summer, Halifax in winter, to ports in Australia and New Zealand.
5. DART CONTAINERLINE from Hamilton, Toronto, Montreal and Halifax to Southampton, Hamburg, Antwerp and Le Havre.
6. ECUADORIAN LINE INC. from Montreal and Toronto to Canal Zone, Panama and Ecuador.

7. HAPAG-LLOYD AG from Toronto and Montreal in summer, Halifax in winter, to Le Havre, Felixstowe, Manchester, Dublin, Belfast, Antwerp, Rotterdam, Hamburg, Bremerhaven and Greenock. Also service to Scandinavia, Spain and Portugal.
8. ITALIAN LINE from Toronto, Hamilton, Montreal and Saint John in summer, Saint John in winter to Mediterranean ports in France, Italy and Spain.
9. "K" LINE from Toronto and Montreal in summer, Saint John all year to Hong Kong and ports in Japan, Korea, Philippines and Taiwan.
10. MEARSK LINE from Toronto and Montreal in summer, Halifax in winter, to Hong Kong and ports in Federation of Malaya, Federation of Singapore, Indonesia, Philippines. Also service Montreal, Toronto and Halifax to Persian Gulf ports.
11. ZIM CONTAINER SERVICE from Toronto and Montreal in summer, Halifax all year, to Barcelona, Palermo, Leghorn, Genoa, and from Toronto and Montreal in summer, Halifax all year to Jamaica, U.S. West Coast, Japan, Hong Kong and Taiwan.

Table MI 6 — Marine Shipping Lines Originating From or Calling at Ontario Ports, 1979 (Continued)

Marine



COASTAL AND INLAND WATERS

- *12. CANADA STEAMSHIP LINES LTD. Hamilton, Ont. — Thunder Bay, Ont. Line
(freight only).
- *13. CANADA STEAMSHIP LINES LTD. Valleyfield, Que. — Hamilton — Windsor —
Thunder Bay, Ont. Line (freight only).
- *14. ENVOY'S MARINE LINE from Pointe au Baril, Ont.

CANADIAN NATIONAL MARINE NEWFOUNDLAND S.S. SERVICE as follows:

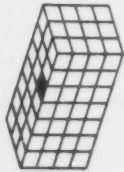
- *15. TEMAGAMI LAKE BOAT LINES from Temagami, Ont.
- *16. ONTARIO NORTHLAND MARINE SERVICES (Owen Sound Transportation Co.),
Ferry service between Tobermory and South Baymouth.
- *17. M.V. "Pelee Islander" daily from Leamington to Pelee Island.

NOTE: Because steamship lines are constantly changing, this list should be used with caution.

No recent (after 1979) information in regard to marine shipping lines originating or calling at Toronto ports is available. Reinstatement of this information in the Canadian Almanac and Directory would be beneficial to the users of marine data.

- * Signifies that the line is subject to interruption by the seasons — winter in some parts of the country, low water in other parts. "Daily" means every day except Sunday.

SOURCE: 1979 CANADIAN ALMANAC AND DIRECTORY, 132nd year of publication.
Editor — Susan Walters. Exclusive Worldwide Distributors—
Richard de Boo Limited, Toronto, Ontario.

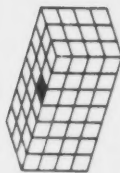


Marine

Table MI 7 - Shipbuilding and Repairing, Employment in Ontario, 1978, 1979, 1981 and 1982

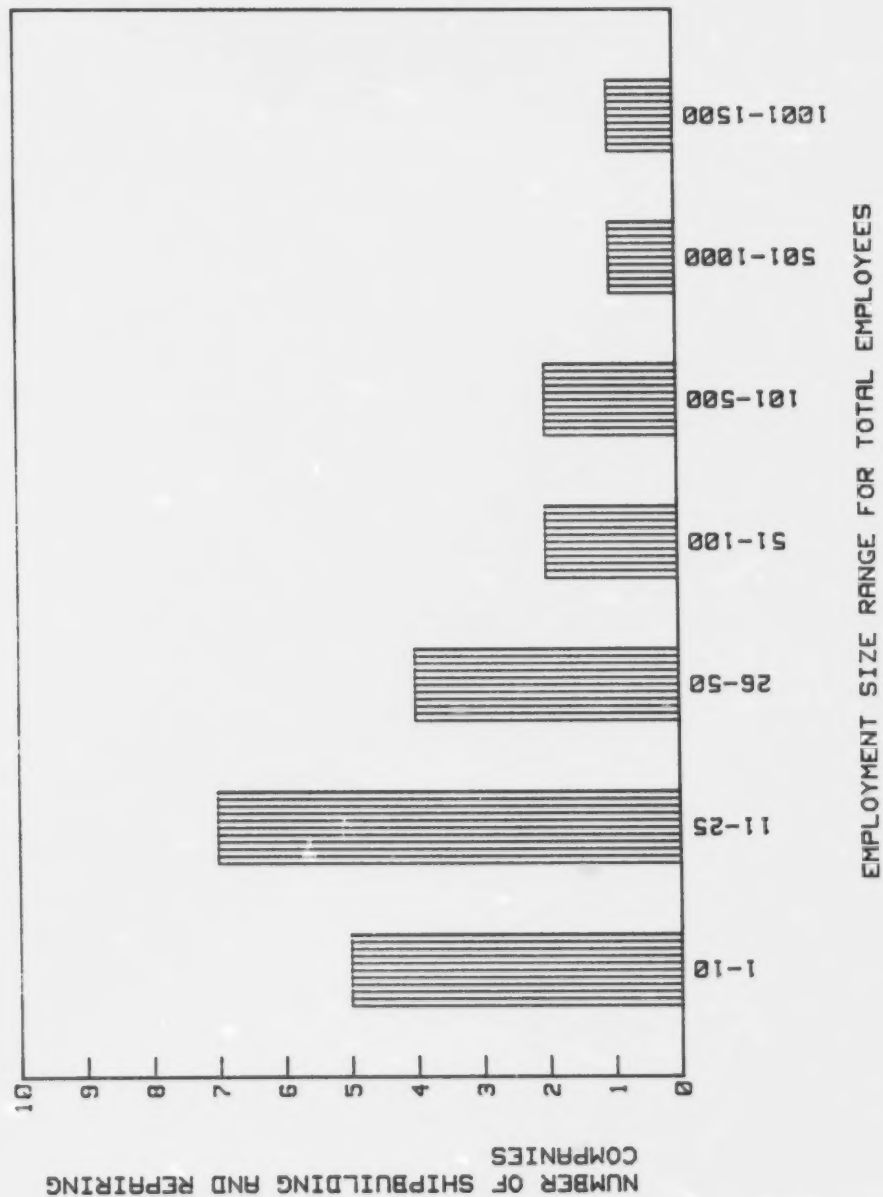
COMPANY	LOCATION	PRODUCT AND/OR SERVICES	1978	TOTAL EMPLOYEES 1979 1981 1982	COMPANY	LOCATION	PRODUCT AND/OR SERVICES	1978	TOTAL EMPLOYEES 1979 1981 1982
1. Abbott Boats Limited	Sarnia	Fiberglass sailboats 14' - 15' boat repair, fiberglass industrial parts, aluminum masts.	-	27 17 17	17. Hite Metal Products Limited	Wheatley	Fishing, sightseeing and survey vessels, tugs and miscellaneous steel fabrication.	13	13 13 13
2. Adair Marine Service	St. Catharines	Ship ladders, ship hatches, jet water guns, ship furniture.	9	-	18. IDEAL SHIP REPAIRS LIMITED	St. Catharines	Ship repairs, machine shop, boilermaking, fabricating (steel).	34	19 19 21
3. Bach's Machine and Marine Works	Scarborough	Marine fittings, custom-built machinery.	-	4 2 2	19. Niagara Nautic Inc.	Niagara-on-the-Lake	Fiberglass sailing yachts, patterns and tooling for other boat builders, custom alterations to sailing yachts.	18	18 13 -
4. Bernick Manufacturing Company Limited	Berwick	Millwork, custom yacht building.	-	8 8 -	20. Patrick Farmer Limited	Owen Sound	Hydraulic systems and equipment, steamship repairs.	28	29 31 31
5. Boston Sails Ltd.	Point Edward	Sails, rigging	15	15 15 15	21. Sandrin Brothers (1968) Limited	Sarnia	General machining, maintenance and services, welding, ship repairs, in situ/machine	51	51 51 50
6. Canadian Dredge and Dock Company Limited Kingston Division	Kingston	Ships, tugs, barges, ship repairs.	34	28 28 28	22. Allan Iye Scott Enterprises Limited	Belleville	Boats, yachts, dinghies.	12	15 15 15
7. Canadian Dredge and Dock Company Limited	Toronto	Ships, tugs, barges, ship repairs.	-	70 70 70	23. Shelley Machine and Marine Inc.	Sarnia	General machining, fabrication, custom machine building, ship repairs and hydraulic repairs and in situ machining.	20	20 30 45
8. Canadian Shipbuilding and Engineering Limited	Collingwood	Shipbuilding, general engineering, ship winches.	985	985 995 1040	24. Textron Canada Limited Bell Aerospace Canada Division	Grand Bend	Hovercraft, air cushion vehicle.	90	56 91 1000
9. Canadian Shipbuilding and Engineering Limited, Port Arthur Shipbuilding Company Division	Thunder Bay	Shipbuilding and ship repairs, structural steel, iron and brass casting, reinforced fiberglass items.	300	300 26 275-350	25. Upper Lakes Shipping Ltd. Port Weller Dry Docks Division	St. Catharines	Shipbuilding and repairs, (steel ships of all kinds, dredges, scoops, etc.) fabrication of heavy equipment, machine shop work.	755	703 739
10. Duke Marine Services Ltd.	Port Carling	Boat repairs and restoration of fine launches, pleasure boats.	5	5 5 6	26. Upper Lakes Shipping Limited	Toronto	Shipbuilding and repairs, steel ships of all types, dredges, scoops, etc. marine consoles & systems, list indicators, fire detecting systems, navigation light indicating panels	--	-- 48 48
11. Herb Fraser & Associates Limited	Port Colborne	Sewage systems, marine disposal units, steel fabrication, ship and boiler repairs.	119	99 100 100-240					
12. Harry Gamble Shipyard	Nanticoke	Rebuilt diesel engines, suction dredges, fishing vessels, drill barges.	6	6 7 10					
13. Kanter Yachts Corp.	Port Stanley	Steel and aluminum yachts, custom yacht finishing services	-	5 7 15					
14. Kettle Creek Boat Works	Port Stanley	Sail and power yachts.	-	- 5 4					
15. Hamilton Boiler Works Limited	Hamilton	Custom smoke stacks, pressure tanks, smoke brechings, custom steel plate work (any shape) boilers, ship repairs.	15	16 18 18					
16. Harbour Ship and Boiler Repairs Limited	Hamilton	Boiler and ship repairs.	10	10 13 5					
TOTAL									2519 2497 2601 2908-3123

SOURCE: 1. SCOTT'S INDUSTRIAL DIRECTORY ONTARIO MANUFACTURERS, 11th Edition, 12th Edition, 13th Edition. Published by Pentecost Publications Limited, Oakville, Ontario 1978, 1979, and 1981 respectively.
2. SCOTT'S INDUSTRIAL DIRECTORY ONTARIO MANUFACTURERS, 14th Edition, 1983-1984. Published by Scott's Industrial Directories.



Marine

Figure MI 7 - Size Range of Total Employees in Shipbuilding and Repairing Industry in Ontario, 1982



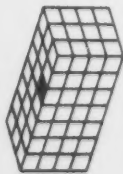


Table MP 1 — International Seaborne Shipping in Million Metric Tonnes, 1960, 1970, 1973 and 1977

COUNTRY	LOADINGS UNLOADINGS	MILLION METRIC TONNES				ANNUAL AVERAGE % CHANGE	
		1960	1970	1973	1977	1960-70	1970-73, 1973-77
Canada	L	45.9	95.9	112.4	119.8	7.6	5.4
	U	35.5	53.5	66.0	58.9	4.2	7.2
U.S.	L	113.1	218.3	250.2	250.2	6.8	4.7
	U	191.3	292.8	422.1	568.1	4.3	13.0
Australia	L	11.3	79.7	134.7	166.2	21.6	19.1
	U	17.9	32.6	24.2	25.4	6.2	-9.5
France	L	19.1	25.2	30.9	34.8	2.8	6.2
	U	54.6	168.4	187.9	183.9	11.9	3.7
W. Germany	L	16.9	22.5	28.0	32.4	2.9	7.6
	U	58.2	106.3	110.2	104.2	6.2	2.2
Italy	L	11.6	34.8	37.0	36.4	11.6	2.1
	U	59.3	200.9	237.3	217.6	13.0	5.7
Japan	L	11.1	44.3	56.0	78.6	14.8	8.1
	U	87.6	440.4	588.3	582.3	17.5	10.1
U.K.	L	33.0	50.3	56.2	77.6	4.3	3.8
	U	128.3	200.0	221.1	158.2	4.5	3.4
U.S.S.R.	L	38.8	107.0	112.6	154.0	10.7	1.7
	U	5.9	14.4	36.9	33.1	9.3	36.8
TOTAL	L	300.8	678.0	817.3	950.0	8.5	6.4
	U	638.6	1509.3	1794.0	1931.7	9.0	5.9

SOURCE: U.M. Statistical Yearbook 1978 and earlier issues, as shown in
PASSENGER AND GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON,
Transport Canada, Strategic Planning, Catalogue T22-53/1981,
Place de Ville, Ottawa, Ontario K1A 0N5, May 1981.

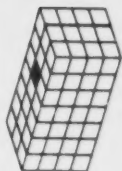
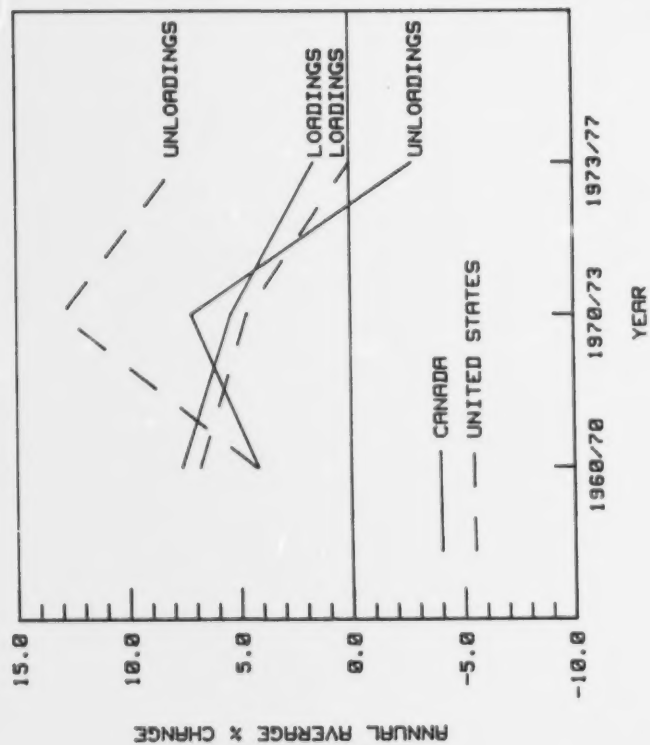


Figure MP 1 - International Seaborne Shipping, 1960/70, 1970/73 and 1973/77, Annual Average % Change



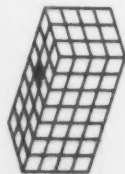
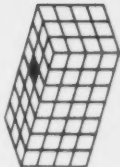


Table MP 2 - Annual Inland and Coastal Waterways Tonne-Kilometres, 1960, 1970, 1973 and 1977

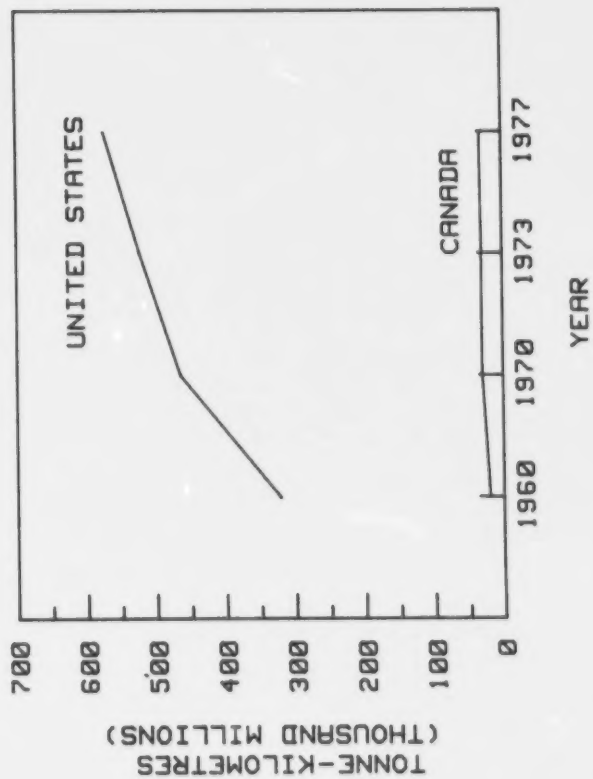
COUNTRY	TONNE - KILOMETRES (THOUSAND MILLIONS)				ANNUAL AVERAGE % CHANGE	
	1960	1970	1973	1977	1960-70	1970-73 1973-77
Canada	20.0	30.0	29.4	31.1	4.1	-0.7 1.4
U.S.	321.6	464.9	522.5	537.4	3.8	4.0 0.7
Australia	19.4	62.7	75.6	93.0	12.4	6.4 5.3
France	10.8	14.2	13.8	11.3	2.8	-0.9 -4.9
W. Germany	40.4	48.8	48.5	51.5	1.9	-0.2 1.5
Italy	0.4	0.4	0.4	0.4	0	0 0
Japan	45.9	142.5	138.7	198.7	12.0	-0.9 9.4
U.K.	0.3	0.1	0.1	0.1	-7.3	0 0
USSR	99.6	175.0	189.5	230.7	5.8	1.8 5.8
TOTAL	558.4	938.6	1018.5	1154.2	5.3	2.8 3.2

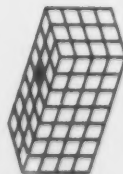
SOURCE: - Annual Bulletin of Transport Statistics for Europe;
 - Statistical Survey of Japan Economy, as shown in PASSENGER AND
 GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON, 1960 - 1977,
 Transport Canada, Strategic Planning, Catalogue 122-53/1981,
 Place de Ville, Ottawa, Ontario, May 1981.



Marine

Figure MP 2 — Annual Inland and Coastal Waterways, Tonne-Kilometres, 1960, 1970, 1973 and 1977





Marine

Table and Figure MP 3 - Port of Toronto - Traffic (1912-1978) and Direct Overseas Shipping (1957-1978)

A. TRAFFIC

YEAR	CARGO TONNAGE	VESSEL ARRIVALS & DEPARTURES
1912	343 608	No Record
1929	959 234	4 270
1931	2 122 066	5 038
1939	3 509 561	4 999
1949	3 965 240	4 423
1959	4 740 940	4 680
1969	6 345 854	3 384
1970	5 288 874	2 820
1971	4 320 743	2 444
1972	3 844 920	2 142
1973	3 415 721	1 785
1974	2 869 717	2 430
1975	3 012 569	1 473
*1976	2 955 963	1 732
*1977	3 116 645	1 464
1978	2 828 982	1 854

-The first full year after the Commissioners' Incorporation (1912)
-Year previous to opening of new Welland Canal (1929)
-First full year of operation of new Welland Canal (1931)

B. DIRECT OVERSEAS SHIPPING

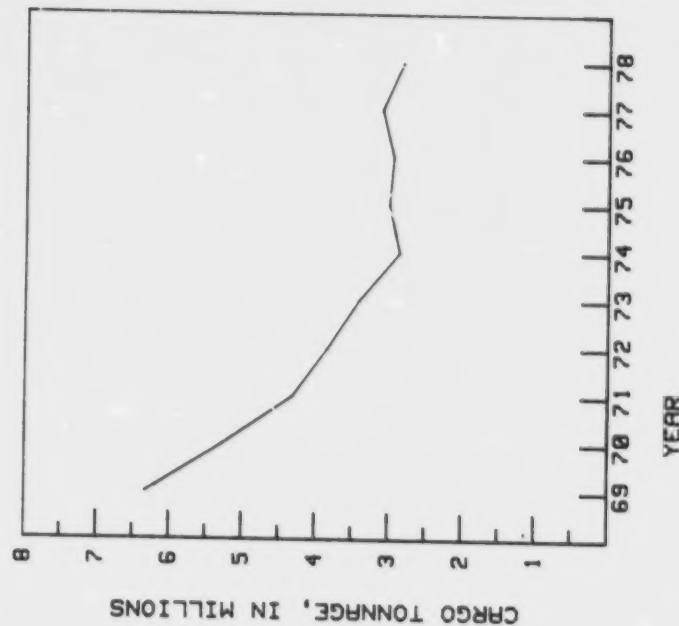
YEAR	Number of regular liner services serving the port	Total number of arrivals and departures of ships	Total cargo tonnage
1957	24	1 046	200 395
1958	28	1 317	287 768
1959	40	1 724	713 186
(First year new St. Lawrence Seaway)			
1967	56	2 374	1 497 187
1968	41	1 788	1 393 763
1969	44	1 862	1 644 529
1970	37	1 474	1 282 237
1971	42	1 324	1 250 540
1972	37	1 236	1 715 263
1973	27	758	1 076 473
1974	25	558	900 016
*1975	25	607	1 020 685
*1976	24	678	1 033 666
1977	23	588	1 009 883
1978	21	520	811 582

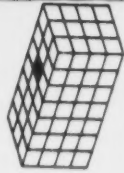
The particulars for this phase of the port's commerce have been extracted from shipping statistics and a comparative statement for 15 years has been set out.

NOTE: * Figures are in metric tons. Previous years in cargo tons.

SOURCE: ANNUAL REPORT FOR THE PORT OF TORONTO, 1978-1979, Toronto Harbour Commissioners' Annual Report.

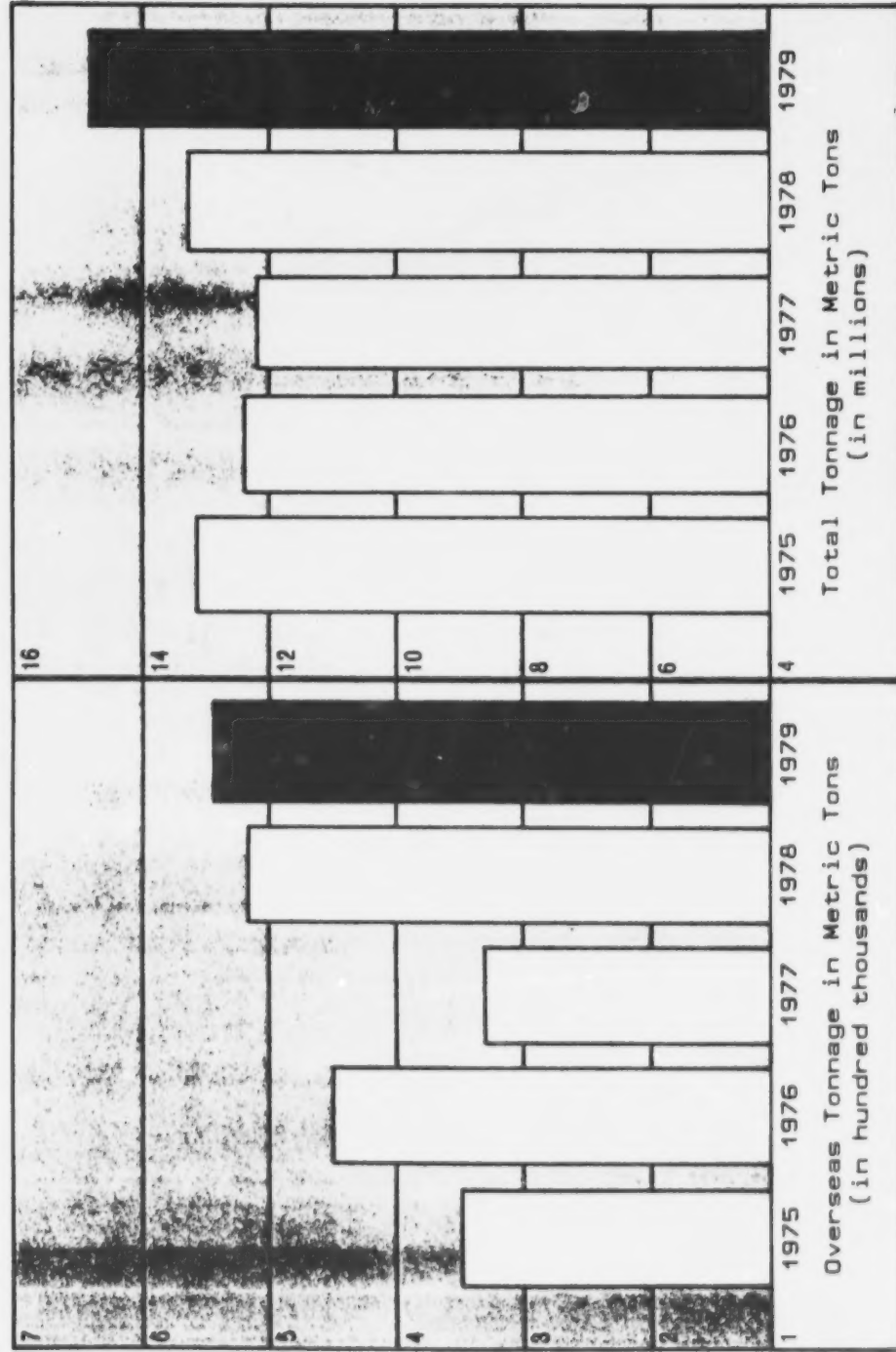
PORT OF TORONTO TRAFFIC





Marine

Figure MP 3A - Port of Hamilton, Ontario - Tonnage Figures, 1975-1979



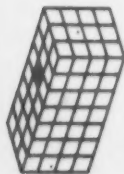


Table MP 4 — Canadian Selected Ports — International Shipping Tonnage of Cargo Loaded and Unloaded, 1977

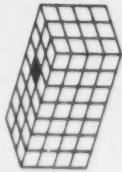
PORT	SHORT TONS	PORT	SHORT TONS
Vancouver, B.C.	26 573 363	Sault Ste. Marie, Ont.	4 150 817
Sept. Isles, Que.	26 235 221	Port Alfred, Que.	4 089 958
Port Cartier, Que	21 331 000	Nanticoke, Ont.	3 796 296
Montreal, Que	9 566 453	Sorel, Que.	2 659 479
Quebec, Que.	9 130 329	Lakeview, Ont.	2 585 586
Halifax, N.S.	8 944 011	Windsor, Ont.	1 834 216
Saint John, N.B.	8 347 517	Contrecoeur, Que.	1 832 016
Roberts Bank, B.C.	7 118 513	Hantsport, N.S.	1 445 936
Hamilton, Ont.	6 249 429	New Westminster, B.C.	1 436 246
Port Hawkesbury, N.S.	5 434 654	Picton, Ont.	1 418 617
Sarnia, Ont.	5 108 858	Nanaimo, B.C.	1 291 051
Baie Comeau, Que.	4 806 599	Toronto, Ont.	1 274 724
Thunder Bay, Ont.	4 169 499	Trois Rivières, Que.	1 192 307

NOTE:

Cargo loaded at the port of Churchill, Manitoba, was 870,859 tons.
Totals 1977: international cargo loaded 132 023 000 tons; unloaded
64 906 000 tons; total 196 929 000 tons. Coastwise cargo,
128 548 000 tons.

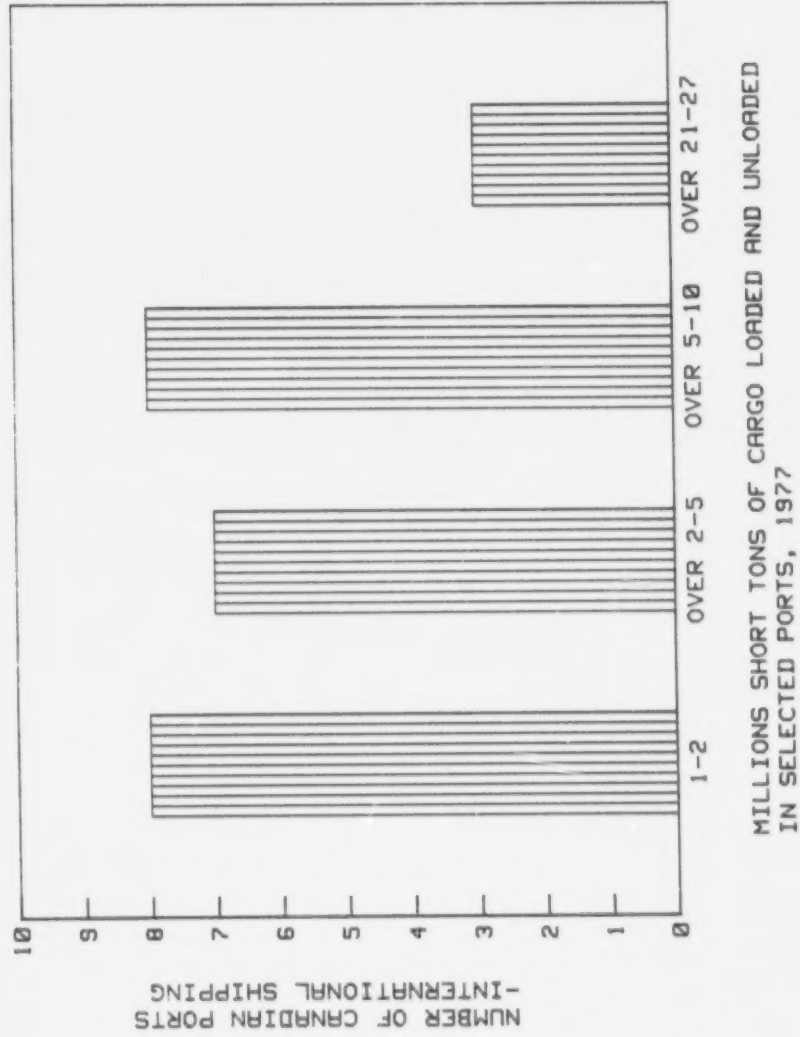
SOURCE:

The Canadian Pocket Encyclopedia, 33rd Annual Edition, 1978-79
Edition, Quick Canadian Facts Limited, Box 99, Terminal M,
Toronto, Ontario, M6S 4T2, p. 117.



Marine

Figure MP 4 — Canadian Selected Ports — International Shipping — Tonnage of Cargo Loaded and Unloaded, 1977



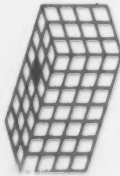


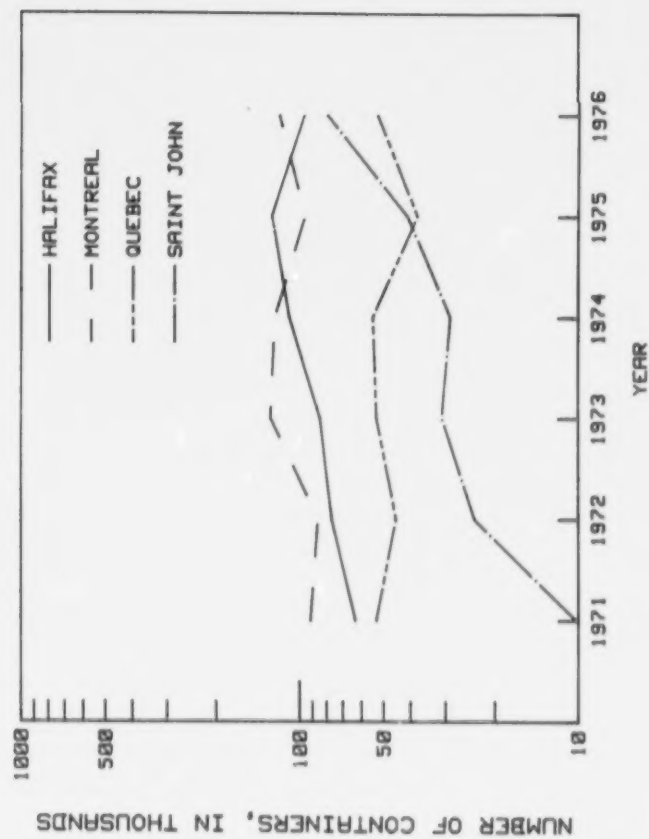
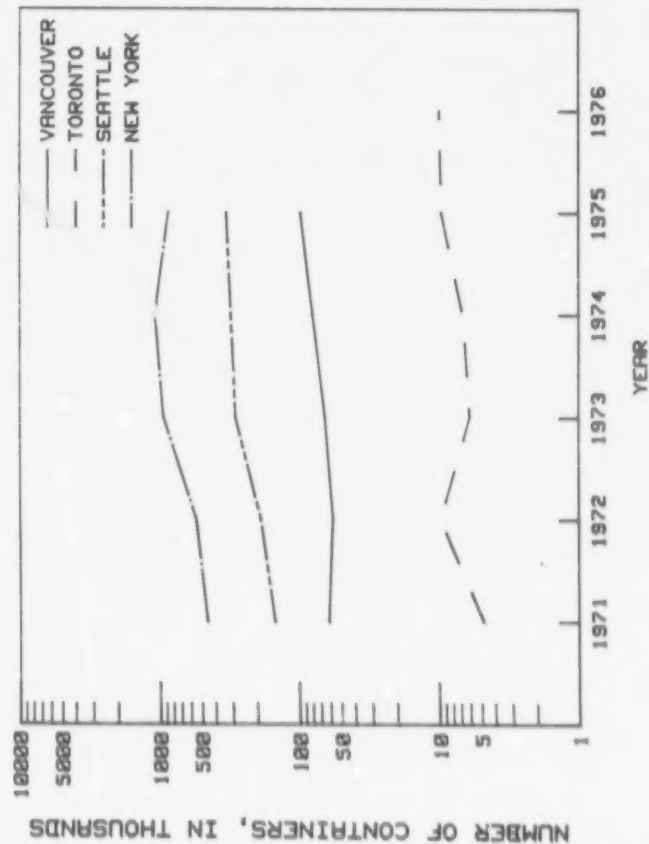
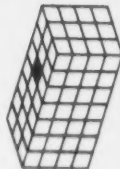
Table MP 5 - Selected Canadian and United States Ports - Container Handling Statistics, 1971-1976

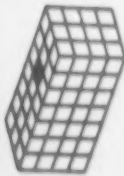
LOADED IMPORTS 20' EQUIVALENTS		1971	1972	1973	1974	1975	1976
Halifax	In	34 407	39 408	41 612	56 060	69 060	51 000
	Out	28 556	37 382	42 916	52 889	56 380	45 000
Montreal		46 610	41 921	62 202	60 885	44 961	55 514
		44 601	43 993	65 053	61 744	50 269	62 622
Quebec		24 084	23 892	26 511	27 321	19 685	23 000
		28 944	21 287	26 495	27 217	18 042	29 502
Saint John		5 792	12 052	11 265	12 508	21 974	38 000
		4 351	11 570	19 578	16 242	19 030	41 500
Vancouver		35 216	33 528	33 551	44 894	53 000	
		25 742	23 864	32 035	34 820	44 000	
Toronto		3 659	7 326	5 446	6 052	6 728	7 144
		1 141	2 422	623	712	2 850	2 755
Seattle		62 543	83 639	125 933	132 235	134 000	
		87 249	104 847	161 229	176 331	197 000	
New York		457 614	549 614	945 000	1 080 000	864 000	

SOURCE: MARINE TRANSPORTATION POLICY PROJECT, FINAL REPORT, Research Report 48, p. 274. University of Toronto/York Joint Program in Transportation, May 1978.

Figure MP 5 — Canadian Ports — Container Handling Statistics, 1971–1976

Marine





Marine

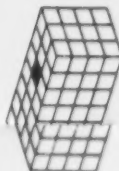
Table MP 6 - Principal Commodities in Water-Borne Cargo, Loaded and Unloaded at Ontario Ports Handling Large Tonnage, in Tonnes, 1976

PORT	INTERNATIONAL		COASTWISE		TOTAL
	LOADED	UNLOADED	LOADED	UNLOADED	
1. THUNDER BAY					
Wheat	115 981	-	8 400 021	-	8 516 002
Iron ore & concentrates	1 690 690	-	2 472 365	-	4 163 055
Barley	206 369	-	2 560 528	-	2 766 897
Oats	365 753	-	285 132	-	650 885
Rapeseed	59 757	-	-	-	59 757
Flaxseed	100 860	-	38 761	-	139 621
Fuel oil	-	-	-	256 264	256 264
Gasoline	-	-	-	158 941	158 941
Hulls, screenings & chaff	-	-	-	-	-
Newsprint	159 987	-	49 542	-	49 542
Rye	72 166	-	-	-	159 987
Concentrated & complete feeds	237 703	-	56 995	-	129 161
Other commodities not listed	-	-	-	-	237 703
TOTAL	3 155 134	106 012	14 233 808	399 278	18 021 622
		106 012		814 483	18 309 437
2. SARNIA					
Coal, bituminous	-	-	-	-	-
Fuel oil	916 063	1 821 703	-	-	1 821 703
Gasoline	81 364	-	-	-	1 302 200
Limestone	-	-	-	-	861 473
Wheat	-	1 232 123	-	-	6 047
Petroleum & coal products	-	-	-	-	-
Inorganic chemicals	5 719	23 133	-	-	87 837
Lubricating oil & grease	550	-	-	-	96 653
Organic chemicals	60 897	-	-	-	10 638
Other commodities not listed	17 842	-	-	-	25 350
TOTAL	1 082 435	86 389	183 548	-	59 121
	3 163 348	2 582 325	18 397	92 666	111 613
			1 758	3 221	65 876
					255 311
					7 227 501

4. SAULT STE. MARIE

Coal, bituminous	-	2 273 527	-	-	2 273 527
Iron ore & concentrates	-	1 020 566	-	1 080 045	2 100 611
Limestone	-	659 465	-	-	659 465
Fuel oil	-	-	-	221 892	221 892
Plate & sheet steel	96 678	-	111 662	-	121 340
Gasoline	-	-	-	128 338	128 338
Other commodities not listed	147 832	2 221	96 529	34 120	280 702
TOTAL	157 510	3 955 779	208 191	1 464 395	5 785 875

Performance International - Provincial

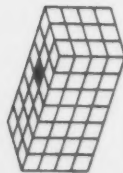


Marine

Table MP 6 — Principal Commodities in Water-Borne Cargo Loaded and Unloaded at Ontario Ports Handling Large Tonnage, in Tonnes, 1976 (Continued)

PORT	INTERNATIONAL		COASTWISE		TOTAL
	LOADED	UNLOADED	LOADED	UNLOADED	
5. MANTICOME					
Coal, bituminous	-	3 269 412	-	105 566	3 374 978
Other commodities	-	-	-	-	-
not listed	-	-	-	-	-
TOTAL	-	3 269 412	-	105 566	3 374 978
6. WINDSOR					
Salt	727 001	290	726 125	-	1 453 416
Gasoline	-	-	-	192 847	192 847
Fuel oil	23 847	17 794	6 643	132 262	180 546
Plate & sheet steel	911	3 378	120	90 834	95 243
Limestone	-	381 519	-	-	381 519
Other commodities	-	-	-	-	-
not listed	79 318	235 455	120 121	74 331	509 225
TOTAL	831 077	638 436	853 009	490 273	2 812 795
7. TORONTO					
Fuel oil	-	-	123 888	133 147	257 035
Coal, bituminous	-	44 662	-	-	44 662
Cement	1	-	-	418 132	418 133
Wheat	-	-	24 603	284 832	309 435
Salt	-	104 115	-	203 611	307 726
Raw sugar	-	182 812	-	-	182 812
Soybeans	-	319 657	-	11 665	331 322
Barley	-	-	-	85 682	85 682
Other commodities	-	-	-	-	-
not listed	180 510	355 908	26 911	310 244	873 573
TOTAL	180 511	1 007 154	175 402	1 447 313	2 810 380
GRAND TOTAL	5 712 697	18 788 732	18 352 011	9 556 239	52 409 679

SOURCE: CANADA YEAR BOOK 1978-79. An annual review of economic, social and political developments in Canada. Published by authority of the Minister of Industry, Trade and Commerce. Catalogue CS11-202/1978. Ottawa, December 1978, pp. 659-661.



Marine

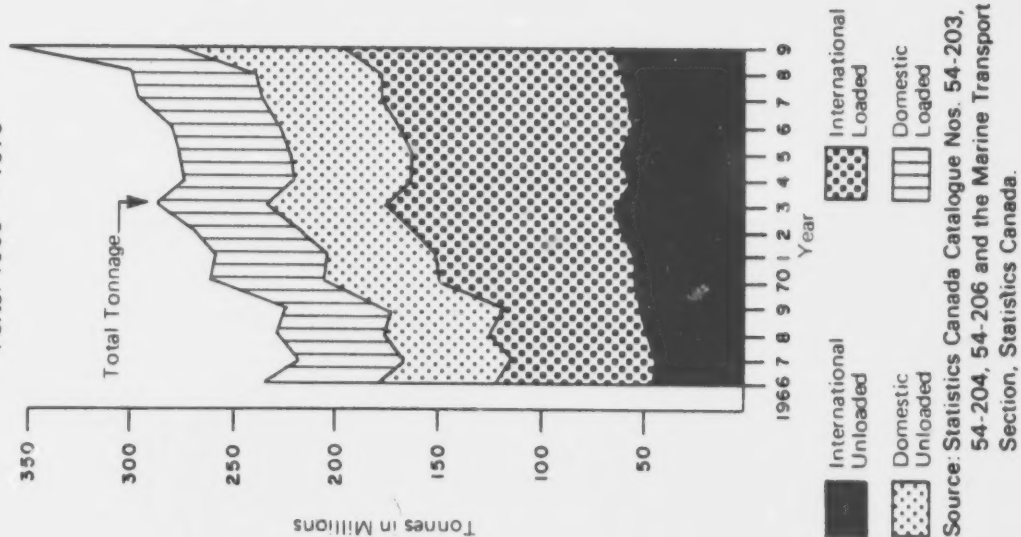
Table MP 7 - Cargoes Loaded and Unloaded at Principal Ontario Ports From Vessels in International Seaborne and Coastwise Shipping, 1976 with Total for 1975, in Tonnes

PORT	INTERNATIONAL		COASTWISE		TOTAL 1976	TOTAL 1975
	LOADED	UNLOADED	LOADED	UNLOADED		
1. Thunder Bay	3 155 135	106 012	14 233 808	814 483	18 309 438	18 168 934
2. Hamilton	306 029	6 648 590	299 277	4 834 816	12 088 712	12 945 858
3. Sarnia	1 082 435	3 163 348	2 582 324	399 392	7 227 499	8 246 695
4. Sault Ste. Marie	157 510	3 955 779	208 191	1 464 395	5 785 875	5 380 254
5. Toronto	180 511	1 007 153	175 401	1 447 314	2 810 379	2 709 909
6. Clarkson	262 517	113 985	283 013	1 781 614	2 441 129	2 871 599
7. Windsor-Walkerville	831 076	638 437	853 009	490 273	2 812 795	1 761 716
8. Port Colborne	878 048	103 630	121 581	635 139	1 738 398	1 984 802
9. Colborne	-	-	1 838 026	-	1 838 026	2 319 006
10. Picton	961 958	59 921	210 845	43 591	1 276 315	957 292
11. Goderich	684 517	10 945	689 394	185 054	1 569 910	1 658 353
12. Lakeview (Port Credit)	-	1 755 241	283 702	3 765	2 042 708	1 726 839
13. Depot Harbour	647 283	-	-	-	647 283	666 607
14. Little Current	412 015	3 774	-	99 742	515 531	503 495
15. Midland	-	98 265	28 678	765 700	794 378	958 784
16. Prescott	-	3 269 412	83 910	330 184	512 359	490 852
17. Nanticoke	-	-	-	105 566	3 374 978	3 575 337
18. Badgeley Island	70 257	-	374 235	-	444 492	415 842
19. Parry Sound	-	26 722	1 471	443 637	471 830	504 708
TOTAL	9 888 363	22 469 757	23 305 279	16 042 060	71 705 459	73 084 929

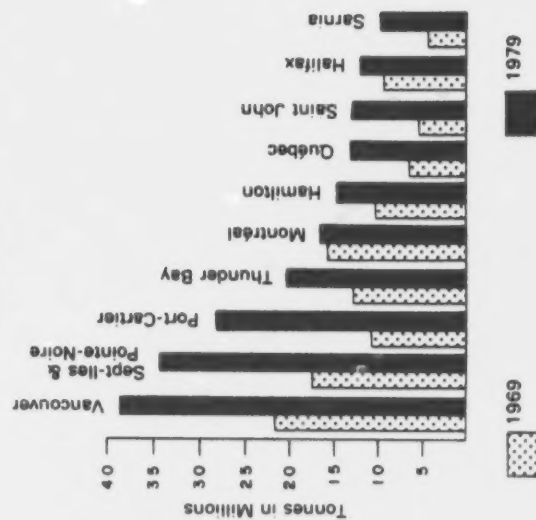
SOURCE: CANADA YEAR BOOK 1978-1979. An annual review of economic, social and political developments in Canada. Published by authority of the Minister of Industry, Trade and Commerce. Catalogue CS11-202/1978. Ottawa, December 1978, p. 658.

Figure MP 7A — Cargo Tonnage Handled at Canadian Ports, 1966—1979

Cargo Tonnage Handled at Canadian Ports: 1966 — 1979



Cargo Tonnage Loaded and Unloaded in International and Domestic Shipping at Major Canadian Ports: 1969 & 1979



Source: Statistics Canada Catalogue Nos. 54-203, 54-204 and the Marine Transport Section, Statistics Canada.

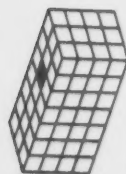
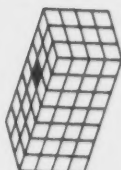


Table MP 8 - Traffic by Country of Registry, Welland Canal Section of the St. Lawrence Seaway, 1979

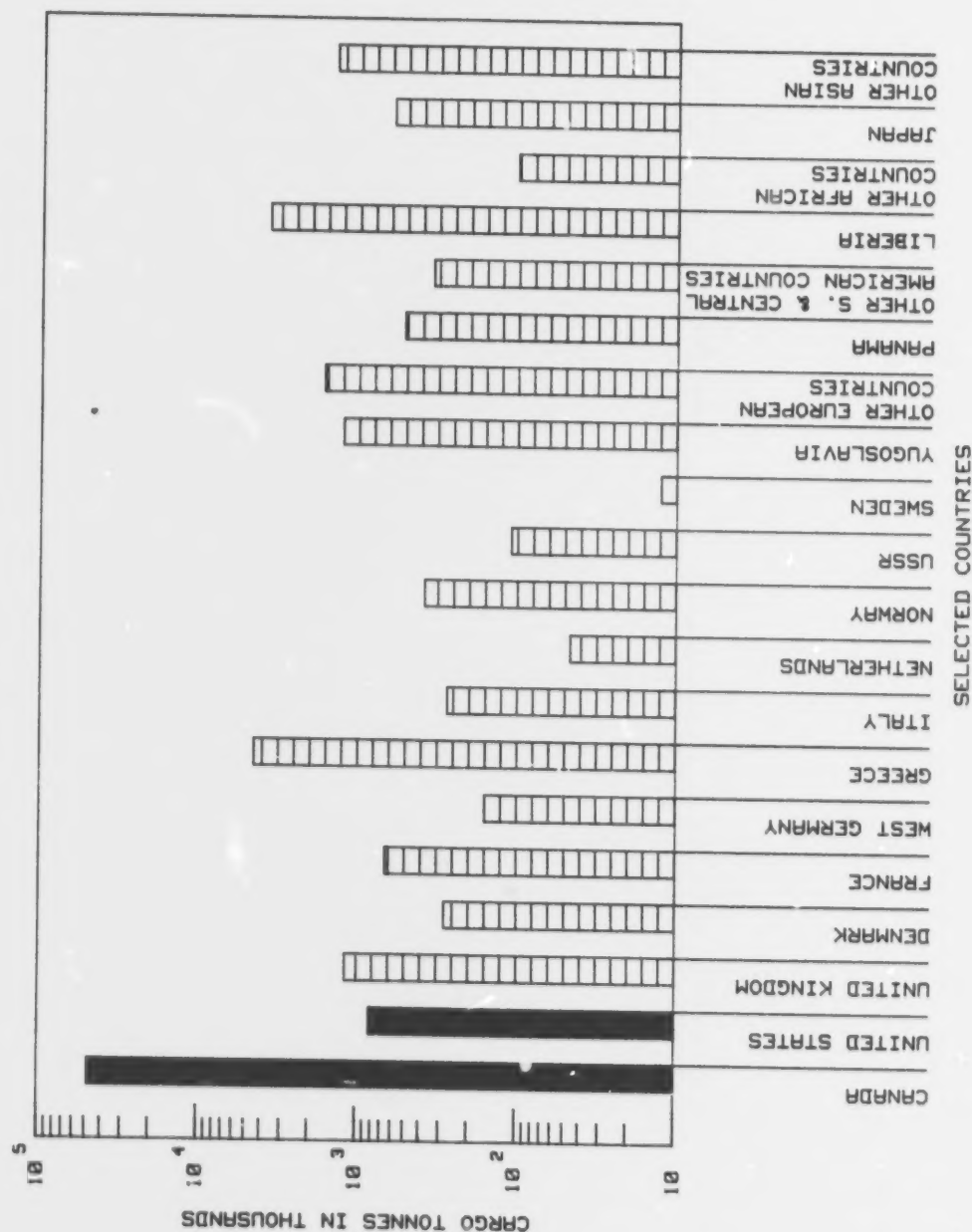
Country of Registry	Transits	Gross Reg'd Tonnage	----- Cargo Tonnes -----				General Cargo	Total	% of Grand Total	Revenue \$
			Bulk	NES	Grains					
Canada	4 388	49 696 365	31 247 602		16 830 342		61 676	48 139 620	72.8	14 668 524
United States	273	1 329 302	742 149		75 211		8 957	826 317	1.3	292 423
United Kingdom	120	1 623 170	233 802		681 078		268 400	1 183 280	1.8	438 013
Denmark	30	426 302	45 337		179 484		58 587	283 408	0.4	106 588
France	46	751 981	111 307		356 103		196 765	664 175	1.0	241 555
Federal Republic of Germany	54	324 542	89 530		42 643		26 607	158 780	0.2	69 775
Greece	464	6 212 922	1 055 276		2 752 824		701 109	4 509 209	6.8	1 621 258
Italy	36	498 906	54 441		208 711		11 361	274 513	0.4	102 511
Netherlands	10	35 440	24 798		14 954		6 828	46 580	-	14 684
Norway	62	554 804	259 948		62 714		60 067	382 729	0.6	139 595
USSR	52	208 384	41 192		31 793		36 542	109 527	0.2	46 411
Sweden	4	20 936	2 500		3 836		6 151	12 487	-	5 385
Yugoslavia	120	1 676 106	260 572		768 894		223 922	1 253 188	1.9	452 307
Other European Countries	176	2 421 272	428 612		905 061		313 529	1 647 202	2.5	612 021
Panama	60	749 211	160 079		306 061		48 482	514 622	0.8	183 235
Other South & Central American Countries	48	549 293	48 968		164 222		129 946	343 136	0.5	140 534
Liberia	376	4 917 252	1 312 735		1 805 802		573 198	3 691 735	5.6	1 319 526
Other African Countries	20	226 456	-		102 147		11	102 158	0.2	40 371
Japan	54	640 768	99 339		297 164		214 996	611 499	0.9	223 941
People's Republic of China	-	-	-		-		-	-	-	-
Other Asian Countries	154	1 978 410	401 979		695 613		312 789	1 410 381	2.1	522 973
GRAND TOTAL	6 547	74 841 822	36 620 166		26 284 457		3 259 923	66 164 546	100.0	21 241 630

NOTE: "Bulk NES" includes containers, "Grains" includes Government Aid Cargoes.
SOURCE: THE SEAWAY - Operations - Outlook - Statistics, 1979. Published and distributed by The St. Lawrence Seaway Authority, Tower A, Place de Ville, Ottawa, Ontario.



Marine

Figure MP 8 — Traffic by Country of Registry, Welland Canal Section of the St. Lawrence Seaway, Total Cargo, 1979



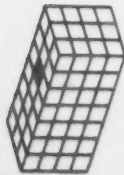


Table MP 9 - Traffic by Country of Registry, Montreal - Lake Ontario Section of St. Lawrence Seaway, 1979

----- Cargo Tonnes -----

Country of Registry	Transits	Gross Reg'd Tonnage	Bulk NES	Grains	General Cargo	Total	% of Grand Total	Revenue \$
Canada	2 617	28 047 369	19 860 158	15 396 804	47 080	35 304 042	63.8	20 523 289
United States	230	1 603 723	1 166 384	47 394	11 447	1 225 225	2.2	852 553
United Kingdom	124	1 649 534	255 528	696 762	282 248	1 234 538	2.2	980 390
Denmark	32	434 790	63 565	195 491	62 050	321 106	0.6	242 538
France	46	751 981	111 307	356 103	201 298	668 708	1.2	567 585
Federal Republic of Germany	64	370 156	114 070	42 643	33 849	190 562	0.3	168 552
Greece	495	6 536 582	1 304 907	2 760 034	834 182	4 899 123	8.9	3 631 733
Italy	40	543 978	79 828	208 711	11 361	299 900	0.5	176 845
Netherlands	12	42 518	24 798	14 954	9 168	48 920	0.1	38 142
Norway	92	815 582	422 590	62 725	93 142	578 457	1.1	465 753
USSR	67	264 416	82 589	31 793	59 694	174 076	0.3	166 786
Sweden	6	35 504	3 500	3 836	10 615	17 951	-	22 044
Yugoslavia	122	1 703 634	296 121	768 694	241 762	1 306 577	2.4	979 021
Other European Countries	180	2 453 880	443 496	905 061	332 661	1 681 218	3.0	1 308 074
Panama	73	780 958	216 489	306 061	68 475	591 025	1.1	413 721
Other South & Central American Countries	63	716 203	140 416	174 722	171 657	486 795	0.9	454 479
Liberia	387	4 969 117	1 576 683	1 805 802	611 373	3 993 858	7.2	2 955 012
Other African Countries	30	309 626	11	102 147	9 265	111 423	0.2	77 366
Japan	62	674 946	145 146	297 164	219 415	661 725	1.2	582 244
People's Republic of China	-	-	-	-	-	-	-	-
Other Asian Countries	168	2 094 165	459 461	698 563	368 840	1 526 864	2.8	1 259 614
GRAND TOTAL	4 910	54 798 608	26 767 047	24 875 454	3 679 582	55 322 093	100.0	35 865 741

NOTE: "Bulk NES" includes containers, "Grains" includes Government Aid Cargoes.

SOURCE: THE SEAWAY - Operations - Outlook - Statistics, 1979. Published and distributed by The St. Lawrence Seaway Authority, Tower A, Place de Ville, Ottawa, Ontario.

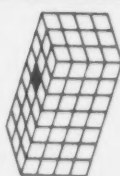
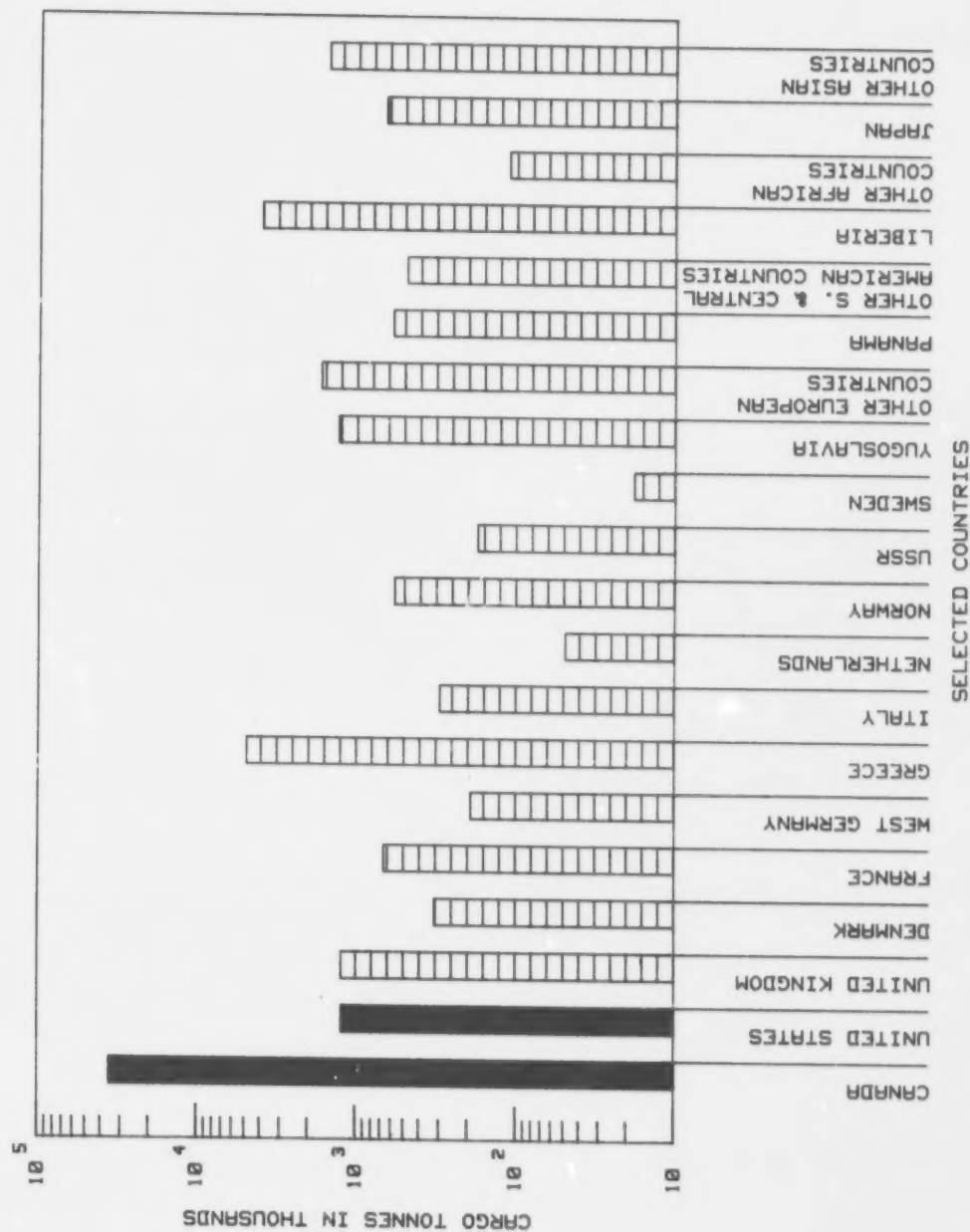


Figure MP 9 — Traffic by Country of Registry, Montreal — Lake Ontario Section of the St. Lawrence Seaway, 1979



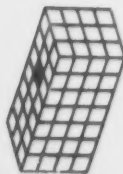
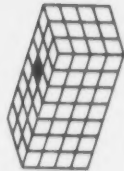


Table MP 10 - St. Lawrence Seaway, Gross Registered Tonnage, Vessel Transits and Revenue, 1969-1982

Year	GROSS REGISTERED TONNAGE			VESSEL TRANSITS				
	Cargo Vessels	Non-Cargo Vessels	Total	Loaded Cargo Vessels	Ballast Cargo Vessels	Non-Cargo Vessels	Non-Toll Vessels*	Total Revenue \$'000
MONTREAL - LAKE ONTARIO SECTION								
1969	42 804	203	43 007	4492	1274	626	285	21 456
1970	44 990	121	45 112	4787	1114	376	423	25 436
1971	49 491	80	49 571	4676	1176	207	302	27 407
1972	50 047	71	50 118	4576	1205	155	448	27 301
1973	51 491	247	51 738	4533	1291	301	352	27 894
1974	37 863	170	38 033	3246	763	251	381	21 320
1975	44 015	89	44 104	3508	999	197	544	22 592
1976	48 157	110	48 267	3791	871	197	496	25 813
1977	54 008	97	54 105	4185	809	191	331	30 769
1978	58 529	224	58 753	3994	1086	182	84	33 211
1979	54 635	164	54 799	3701	966	179	64	35 866
1980	56 236	197	56 433	3237	1535	186	68	32 398
1981	52 722	187	52 909	3197	1179	198	54	34 412
1982	51 415	182	51 597	2693	1434	176	73	33 333
WELLAND CANAL SECTION								
1969	57 438	201	57 639	4937	1640	286	74	2 494
1970	62 554	210	62 764	5136	1688	287	72	3 533
1971	64 168	140	64 308	5011	1588	255	71	4 332
1972	66 142	101	66 244	4882	1691	195	48	4 243
1973	66 004	265	66 270	4818	1709	288	65	4 232
1974	50 935	158	51 093	3617	1300	254	90	3 177
1975	61 312	233	61 545	4059	1653	329	80	3 720
1976	61 875	109	61 984	4249	1369	274	59	3 789
1977	65 587	138	65 726	4640	1290	232	61	4 031
1978	73 875	165	74 039	4587	1799	219	21	18 291
1979	74 664	177	74 842	4395	1918	219	15	21 242
1980	75 114	152	75 266	3897	2424	246	29	23 610
1981	68 415	141	68 556	3784	1907	251	18	23 093
1982	63 428	153	63 581	2961	1990	204	29	24 529

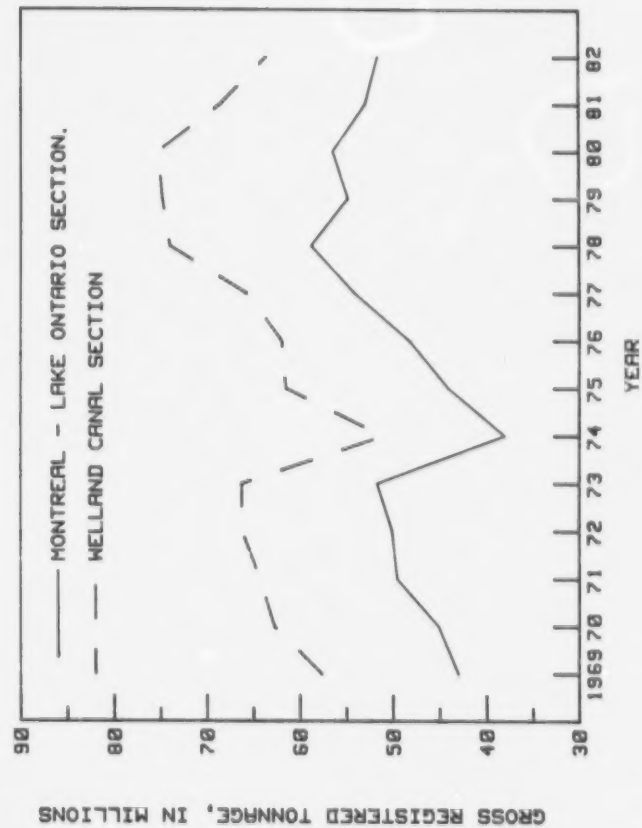
NOTE: *1977 and previous years include transits of seaway-owned vessels.

SOURCE: THE SEAWAY - OPERATIONS - OUTLOOK - STATISTICS, 1982, The St. Lawrence Seaway Authority, Ottawa, Ontario.



Marine

Figure MP 10 - St. Lawrence Seaway Gross Registered Tonnage, 1969-1982



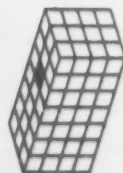
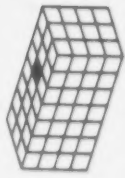


Table MP 11 - St. Lawrence Seaway Traffic Summary by Type of Cargo in '000 Tonnes, 1969-1981

Year	AGRICULTURAL PRODUCTS			MINE PRODUCTS		PROCESSED PRODUCTS			
	Grain	Other	Coal and Coke	Other	Fuel Oil ^a	Petroleum Products	Other	Misc. Cargo	Total Cargo
					Petroleum Products				
MONTREAL - LAKE ONTARIO SECTION									
1969	10 926	476	913	12 102	2445	9289	1056	37 208	
1970	17 539	423	747	15 209	2816	8695	968	46 397	
1971	19 635	858	773	13 877	2321	9486	1055	48 035	
1972	20 645	660	784	13 181	2979	9573	756	48 608	
1973	21 435	639	991	16 859	3504	8356	502	52 286	
1974	14 316	357	1366	15 962	1945	5755	350	40 050	
1975	19 169	272	1231	15 299	1891	5418	274	43 555	
1976	18 471	284	1966	20 539	1589	6144	355	49 349	
1977	21 608	208	2242	22 792	2173	8074	360	57 457	
1978	27 736	149	3427	15 657	2370	7262	342	56 943	
1979	24 722	197	2820	17 584	2744	6993	262	55 322	
1980	26 752	168	1627	13 264	2032	5354	256	49 454	
1981	24 463	210	2538	15 319	2202	5599	237	50 569	
WELLAND CANAL SECTION									
1969	12 127	390	10 069	15 301	1211	8558	909	48 565	
1970	18 893	296	10 180	17 460	1294	8040	872	57 035	
1971	20 884	712	8 836	15 451	1142	9043	1004	57 071	
1972	21 632	532	9 559	15 777	1270	8677	701	58 147	
1973	22 592	563	7 976	19 524	2020	7724	561	60 959	
1974	15 708	238	6 327	18 071	1163	5539	455	47 501	
1975	20 577	205	8 504	18 400	1111	5025	473	54 295	
1976	19 458	203	8 491	23 170	777	5766	506	58 369	
1977	22 809	153	8 836	23 725	1070	8000	486	65 079	
1978	28 916	97	7 934*	19 614	1298	7336	476	65 671	
1979	26 131	149	10 294	19 602	2082	7461	446	66 165	
1980	28 149	108	8 728	15 290	2023	4852	456	59 606	
1981	25 566	180	7 547	17 811	2152	5179	415	58 851	

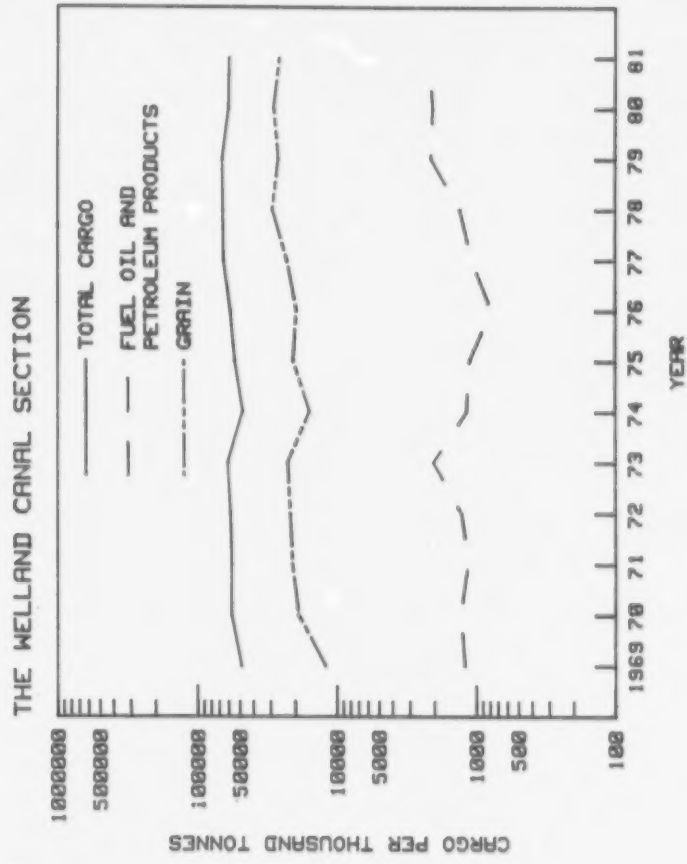
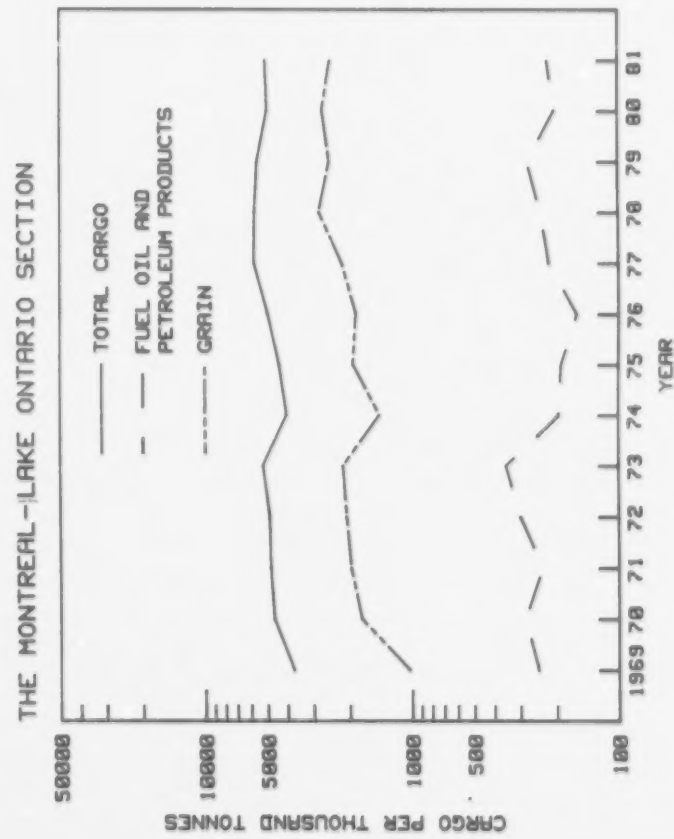
NOTE: * The 1978 figure includes Anthracite and Bituminous Coal.

SOURCE: 1. THE SEAWAY - Operations, Outlook, Statistics, 1979. Published and distributed by The St. Lawrence Seaway Authority, Ottawa, Ontario.
2. ONTARIO STATISTICS 1982, Ministry of Treasury and Economics, p. 595.



Marine

Figure MP 11 — Traffic Summary by Type of Cargo for the Montreal — Lake Ontario Section and Welland Canal Section



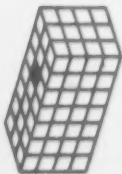
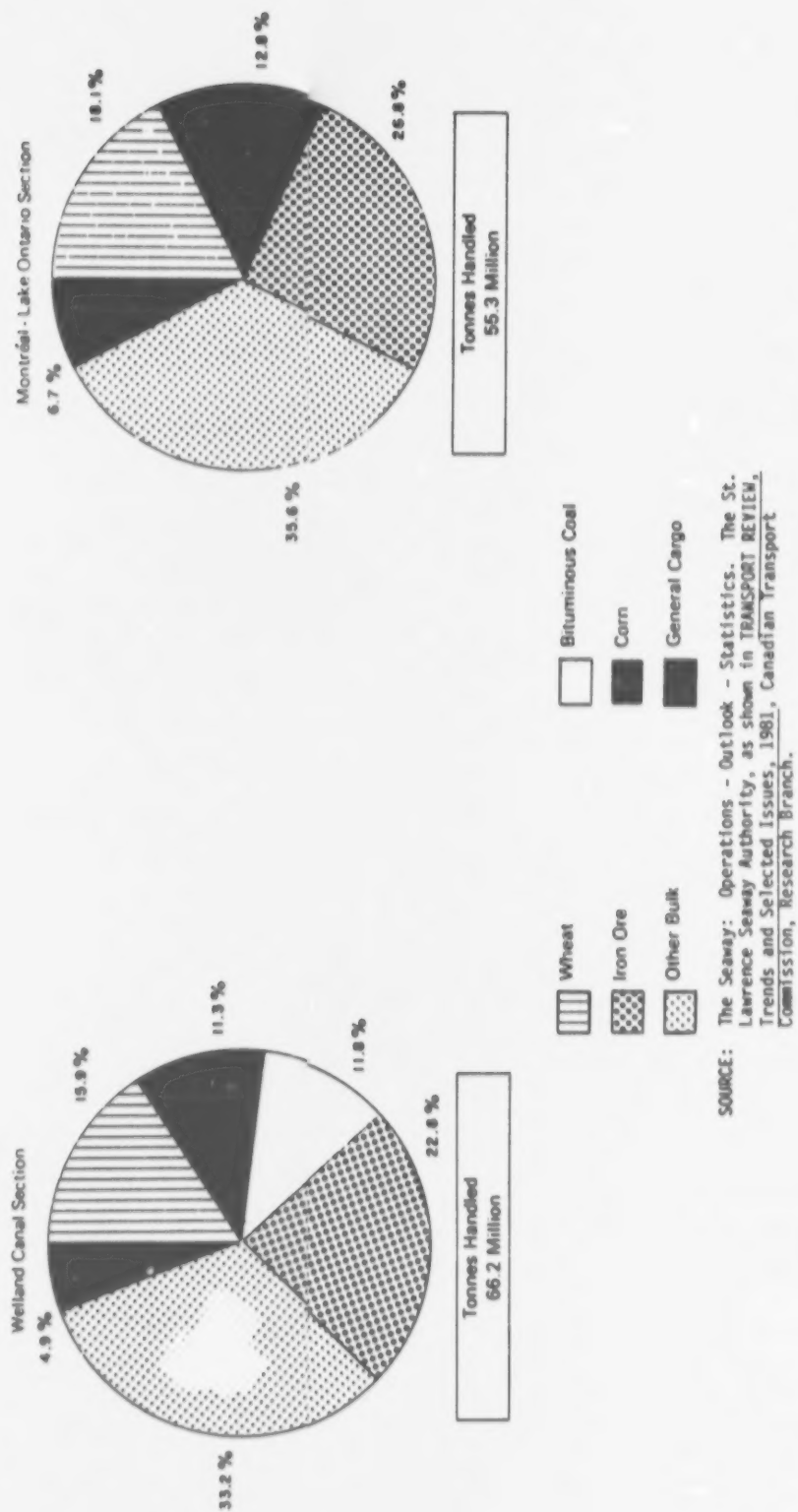


Figure MP 11A - Tonnage by Commodity - St. Lawrence Seaway: 1979



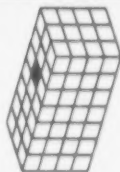
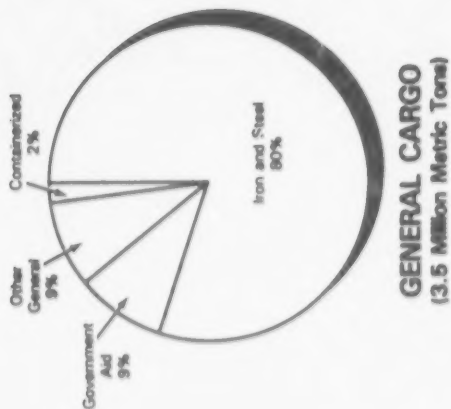
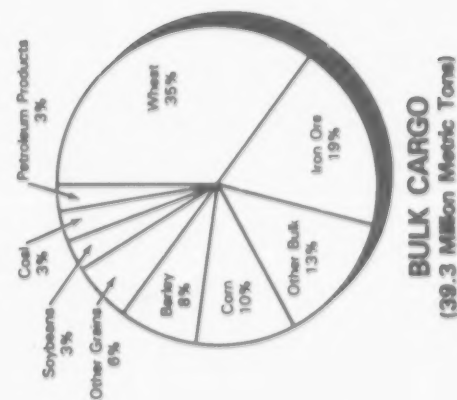


Figure MP 11B — Principal Commodities Shipped Through the Montreal-Lake Ontario Section in 1982



SOURCE: 1982 ANNUAL REPORT, U.S. Department of Transportation, Saint Lawrence Seaway Development Corporation.

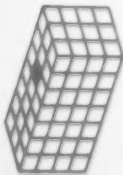


Table MP 12 - Canadian Merchant Fleet as at December 31, 1979-1982,* (Self Propelled Ships of 1000 Gross Tons and Over)

Type and Area	1979		1980		1981		1982	
	No.	Gross Tons	No.	Gross Tons	No.	Gross Tons	No.	Gross Tons
FOREIGN TRADE								
1. General Cargo	4	27 772	7	35 529	8	37 134	6	28 731
2. Dry Bulk Carrier	2	36 389	1	19 420	2	43 614	1	19 420
3. Tankers	1	23 207	2	46 584	4	93 694	4	93 694
4. Ore/Oil Carriers	--	---	2	42 572	2	42 572	2	42 572
FOREIGN TRADE TOTAL	7	87 368	12	144 105	16	217 014	13	184 417
HOME TRADE								
Atlantic								
5. Ferries	16	88 700	16	88 700	16	88 700	16	95 489
6. Passenger	--	---	--	---	--	---	--	---
7. Passenger/Cargo	6	6 710	6	8 330	6	8 330	6	8 330
8. General Cargo	19	54 159	14	46 205	15	51 645	13	42 053
9. Dry Bulk Carrier	18	196 785	18	197 910	17	190 486	14	181 099
10. Tankers	29	159 198	30	166 943	31	170 087	31	173 283
Atlantic Total	88	505 552	84	508 088	85	509 248	80	500 254

Table MP 12 - Canadian Merchant Fleet as at December 31, 1979-1982,* (Self Propelled Ships of 1000 Gross Tons and Over)
(Continued)

Type and Area	1979		1980		1981		1982	
	No.	Gross Tons	No.	Gross Tons	No.	Gross Tons	No.	Gross Tons
HOME TRADE								
Pacific								
11. Ferries	27	111 707	27	122 059	29	125 072	30	128 530
12. Passenger	1	6 062	1	6 062	2	11 887	2	11 887
13. Passenger/Cargo	--	---	--	---	1	8 040	1	8 040
14. General Cargo	1	2 136	1	2 136	--	---	--	---
15. Dry Bulk Carrier	2	17 639	2	17 639	1	8 120	2	17 639
16. Tankers	1	3 047	1	3 047	1	3 047	2	3 047
Pacific Total	32	140 591	32	150 943	34	156 166	36	169 143
HOME TRADE TOTAL	120	646 143	116	659 031	119	665 414	116	669 397
INLAND WATER TRADE								
17. Ferries	9	34 221	11	36 903	11	36 903	10	34 345
18. Passenger	1	1 486	2	2 264	2	2 664	2	2 664
19. Passenger/Cargo	--	---	--	---	--	---	--	---
20. General Cargo	6	34 312	6	34 312	7	35 878	2	9 958
21. Dry Bulk Carrier	112	1 601 791	108	1 613 836	111	1 670 804	115	1 749 289
22. Tankers	5	16 257	6	18 875	5	14 799	5	14 799
INLAND WATER TRADE TOTAL	133	1 688 067	133	1 706 190	136	1 761 048	134	1 811 055
GRAND TOTAL	206	2 421 578	261	2 509 326	271	2 643 476	263	2 664 869

* The 1982 data represents an estimation

SOURCE: Canadian Transport Commission - Canadian Merchant Fleet, List A, as shown in 1982 ANNUAL REPORT, Canadian Shipbuilding and Ship Repairing Association, published March 1983, p. 65.

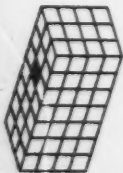
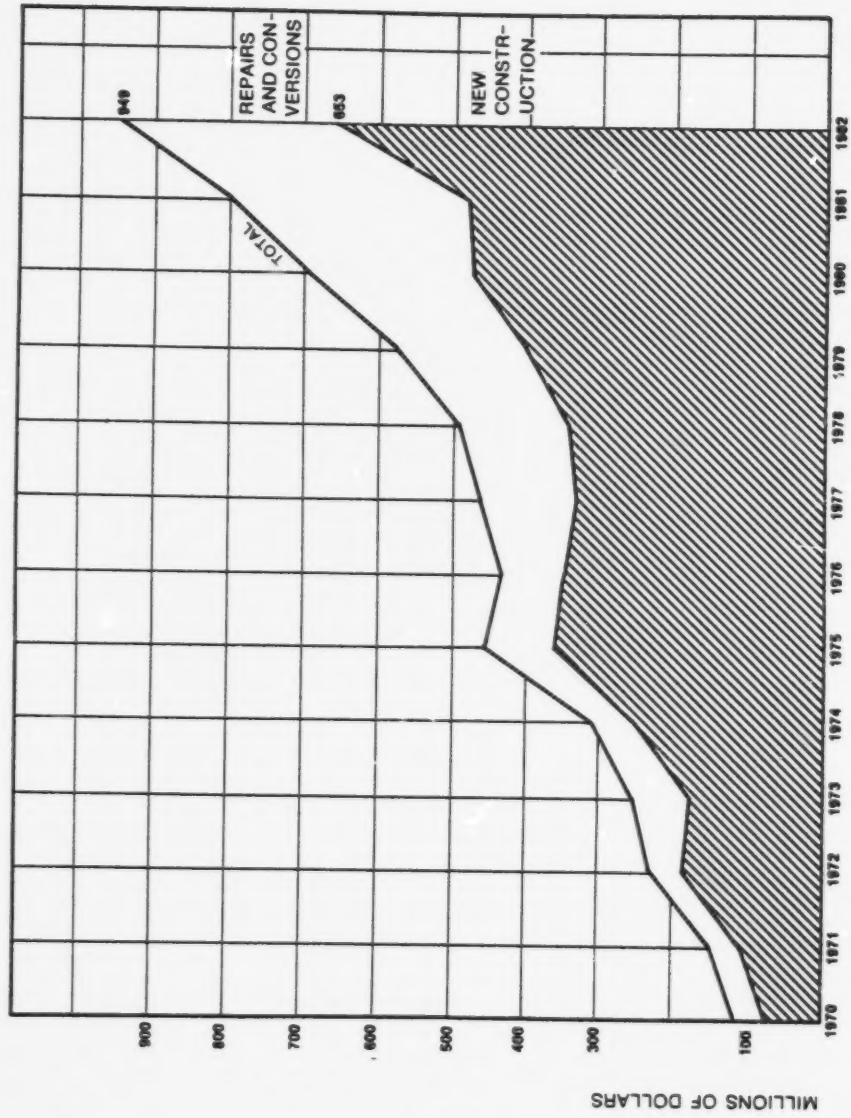
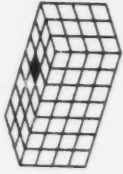


Figure MP 12A — Value of Production of Canadian Shipyards, 1970—1982



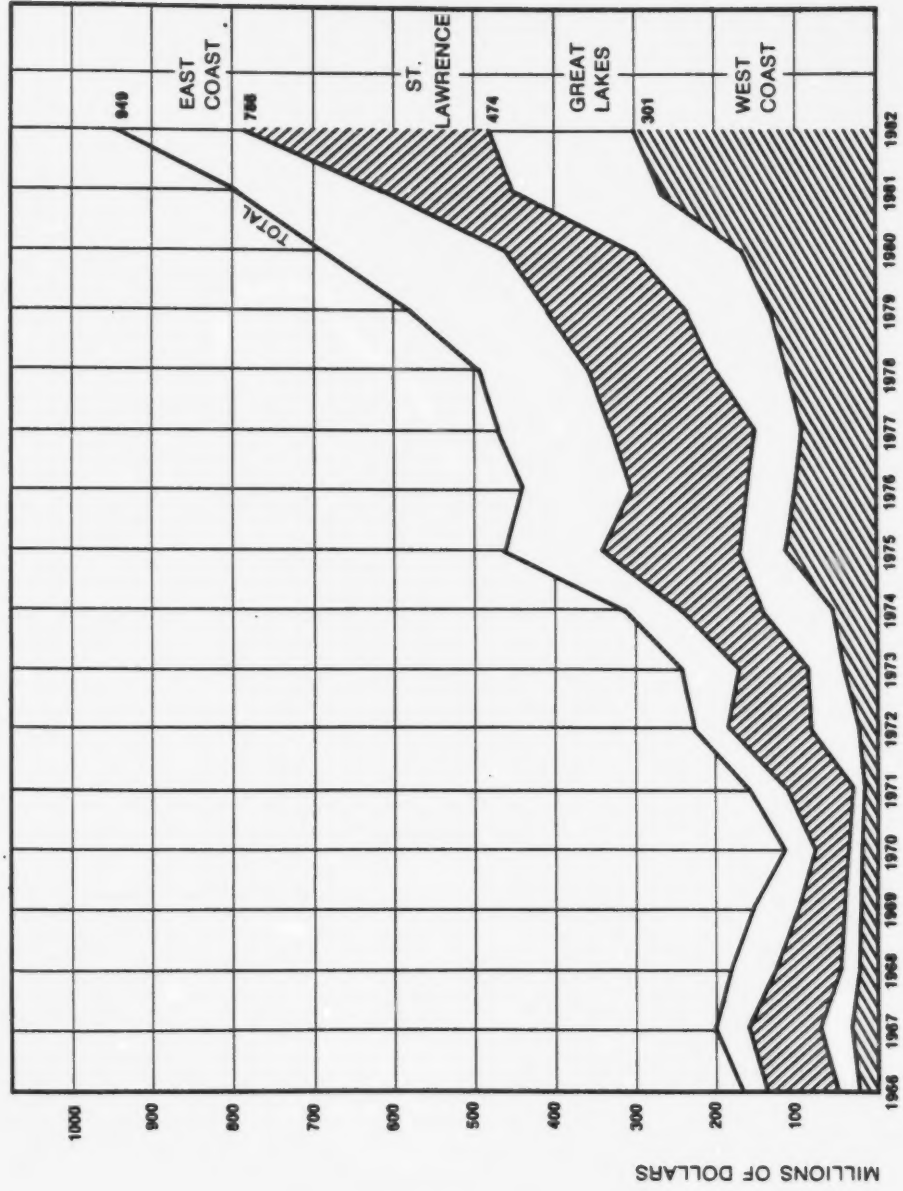
SOURCE: CSSRA MEMBERS, 1982 ANNUAL REPORT, Canadian Shipbuilding and Ship Repairing Association, published March 1983, p. 32



Marine

Figure MP 12B — New Construction, Repairs and Conversions, in Canadian Shipbuilding and Ship Repair Industry, by Area,

1966—1982



SOURCE: CSSRA MEMBERS, 1982 ANNUAL REPORT, Canadian Shipbuilding and Ship Repairing Association, published March 1983, p. 34.

MONTREAL-LAKE ONTARIO SECTION				*WELLAND CANAL SECTION			
Year	Number of Transits	Tonnage (Tonnes)		Number of Transits	Tonnage (Tonnes)		
1959	7590	18 463 072		8252	24 636 187		
1960	7387	18 425 546		8007	26 535 318		
1961	6639	21 244 556		7778	28 535 797		
1962	5963	23 218 514		7248	32 120 600		
1963	5872	28 071 390		7182	37 470 516		
1964	6440	35 661 151		8051	46 619 658		
1965	6751	39 356 934		8046	48 462 786		
1966	7031	44 679 018		8428	53 771 255		
1967	6569	39 942 780		7192	47 908 700		
1968	6296	43 503 732		6998	52 685 381		
1969	5971	37 207 937		6653	48 564 534		
1970	5973	46 397 082		7001	57 034 673		
1971	5851	48 034 717		6761	57 071 311		
1972	5884	48 607 722		6621	58 147 328		
1973	6013	52 285 689		6706	60 959 018		
1974	4113	40 049 654		5090	47 500 958		
1975	4704	43 555 037		6041	54 295 037		
1976	4859	49 349 271		5892	58 369 427		
1977	5185	57 457 309		6162	65 078 545		
1978	5262	56 942 680		6605	65 670 992		
1979	4846	55 322 093		6532	66 164 546		
1980	4958	49 454 109		6567	59 605 981		
1981	4628	50 569 257		5690	58 850 875		
1982	4376	47 182 476		5184	54 024 563		

NOTE:

Tug and Barge combinations counted as one transit unit. Pleasure craft excluded. Non-toll traffic excluded.

*Breaking Seaway traffic into Montreal - Lake Ontario and Welland Canal sections prevents duplication of upbound tonnage figures that transit the Montreal - Lake Ontario section but not the Welland Canal. The same is true for downbound tonnage but in the opposite direction.

**Opening of the enlarged Seaway and accounts for big increase of cargo tonnage.

SOURCE:

1. TRAFFIC REPORT OF THE ST. LAWRENCE SEAWAY, The St. Lawrence Seaway Authority, as shown in ONTARIO STATISTICS 1982, Ministry of Treasury and Economics, p. 594.
2. SEAWAY MARITIME DIRECTORY 1983, Twenty Fourth Edition, United States - Canada.

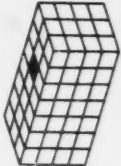
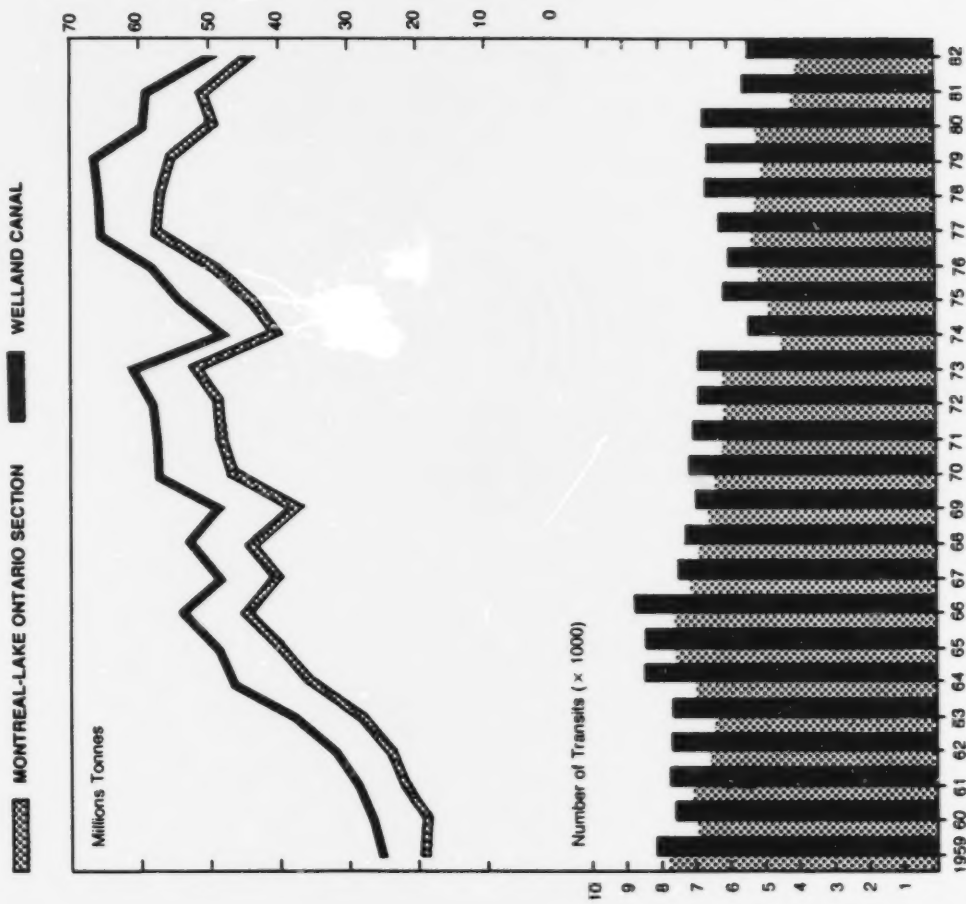


Figure MP 13 - Cargo Tonriages and Vessel Transits, Montreal - Lake Ontario Section and Welland Canal, 1959-1982



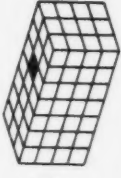


Commodity	1980		1985		1990	
	Montreal - Lake Ontario	Welland Canal	Montreal - Lake Ontario	Welland Canal	Montreal - Lake Ontario	Welland Canal
Grain*	21.1	22.3	23.5	24.9	25.7	27.0
Iron Ore	18.6	19.6	20.6	21.8	23.6	24.5
Coal	0.8	6.8	0.4	7.8	0.4	8.6
Other Bulk Cargo**	11.1	12.1	12.1	13.1	13.2	14.1
General Cargo	5.1	4.4	5.7	5.0	6.4	5.6
TOTAL	56.7	65.1	62.3	72.6	69.3	79.8

NOTE: *Includes wheat, corn, rye, oats, barley, soybeans, flaxseed, rapeseed, etc.

**Includes containers, fuel oil, coke, salt, chemicals, stone, gravel, sand, other agricultural products, etc.

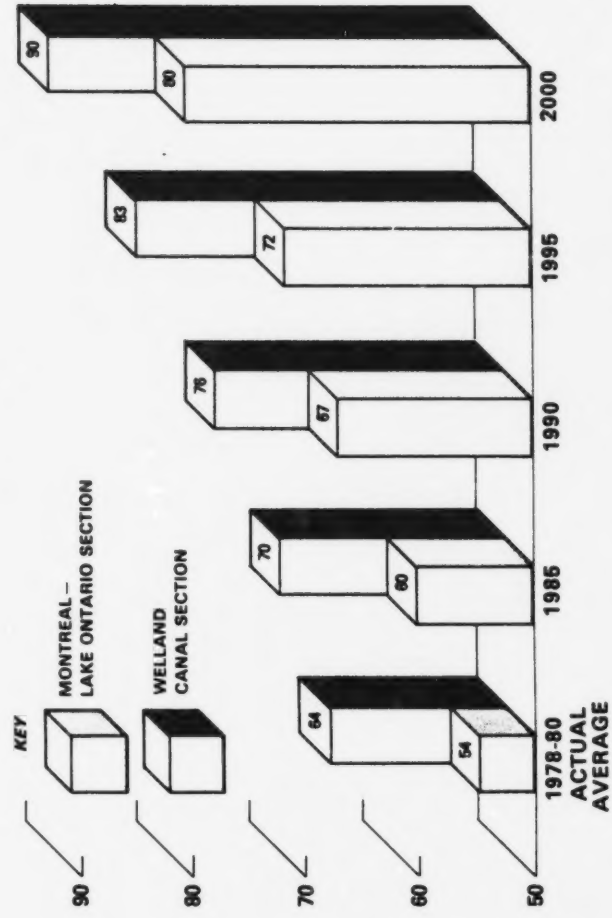
SOURCE: THE SEAWAY - Operations - Outlook - Statistics 1978. Published and distributed by The St. Lawrence Seaway Authority, Ottawa, Ontario.



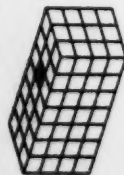
Marine

Figure MP 14A - Forecasted Traffic for Seaway's Montreal - Lake Ontario and Welland Canal Sections (Millions of Metric Tonnes),

1985-2000



SOURCE: 1982 ANNUAL REPORT, U.S. Department of Transportation, Saint Lawrence Seaway Development Corporation.



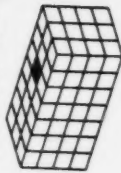
Marine

Table MP 15 - World Order Book, Merchant Vessels Under Construction on Order as at December 31, 1979, 1981 and 1982

RANK	COUNTRY			NUMBER			GROSS TONS '000			PERCENT OF TOTAL			
	1979	1981	1982	1979	1981	1982	1979	1981	1982	1979	1981	1982	
1	1	1	Japan	593	676	583	9	331	12 655	10 067	33.0	35.8	34.5
6	2	2	Korea (South)	67	126	122	1	271	2 977	2 551	4.5	8.4	8.7
12	4	3	China (Taiwan)	29	79	88	700	1 825	1 620	2.5	5.2	5.6	
5	3	4	Spain	239	267	252	1	530	2 247	1 532	5.4	6.4	5.3
2	5	5	Brazil	179	122	99	2	592	1 662	1 445	8.9	4.7	5.0
3	6	6	Poland	153	103	88	1	750	1 429	1 265	6.2	4.0	4.3
11	8	7	United Kingdom	96	100	93	762	1 140	1 002	2.7	3.2	3.4	
9	9	8	West Germany	97	115	119	813	939	886	2.9	2.7	3.0	
10	11	9	Yugoslavia	61	52	76	763	871	750	2.7	2.5	2.8	
7	12	10	France	58	72	58	1 016	847	718	3.6	2.4	2.5	
--	15	11	Romania	--	29	29	---	640	703	--	1.8	2.4	
4	7	12	U.S.A.	265	291	233	1 602	1 304	694	5.7	3.7	2.4	
13	10	13	Denmark	83	88	74	632	896	650	2.2	2.5	2.2	
8	13	14	Sweden	57	41	30	884	764	607	3.1	2.2	2.1	
16	14	15	Finland	69	99	75	516	707	597	1.8	2.0	2.0	
14	19	16	Italy	111	89	76	593	454	548	2.1	1.3	1.8	
18	20	17	Portugal	38	55	47	398	445	448	1.4	1.3	1.5	
19	18	18	India	58	65	56	383	483	427	1.4	1.4	1.5	
15	16	19	Belgium	32	26	22	570	521	423	2.0	1.5	1.4	
21	21	20	Netherlands	85	130	125	210	357	289	0.7	1.0	1.0	
17	17	21	Norway	105	113	66	447	487	256	1.6	1.4	0.9	
--	24	22	Argentina	--	34	33	--	192	240	--	0.5	0.8	
--	--	23	East Germany	--	--	16	--	--	223	--	--	0.8	
--	--	24	Turkey	--	--	102	--	--	201	--	--	0.7	
20	25	28	Canada	34	32	13	266	181	112	0.9	0.5	0.4	
			Rest of World	479	451	376	1 273	1 288	918	4.5	3.6	3.1	
			World Total	2988	3300	2951	28 302	35 311	29 172	100.0	100.0	100.0	

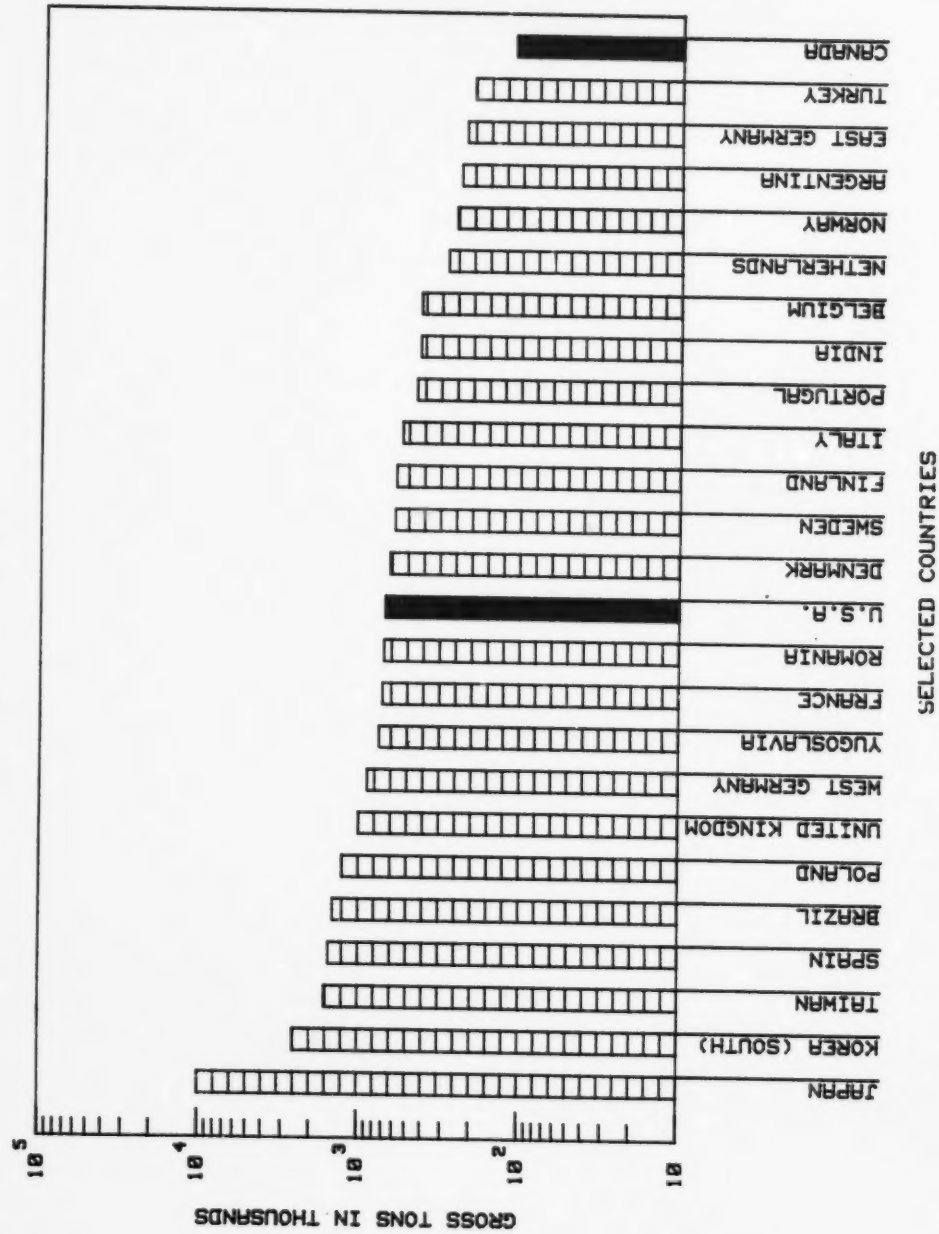
NOTE: World Order Book - list of orders for new construction placed with shipyards around the world.
- Because of rounding, totals are not always exactly the sum of the parts.

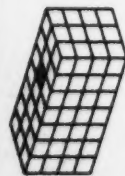
SOURCE: Lloyd's Register of Shipping, Fourth Quarter 1979, 1981 and 1982, as shown in 1982 ANNUAL REPORT, Canadian Shipbuilding and Ship Repairing Association published March 1983, p. 62.



Marine

Figure MP 15 - World Order Book Merchant Vessels, Under Construction or on Order, (Gross Tonnage), 1982





Marine

Table MP 16 - World Order Book, Merchant Ships Completed During 1982, Thousands of Gross Tons

RANK	COUNTRY	NUMBER	GROSS TONNAGE	PERCENT OF TOTAL				
1	Japan	752	8 237	49.2	18	India	9	5
2	Korea (South)	70	1 408	8.4	19	Belgium	9	152
3	China (Taiwan)	27	584	3.5	20	Netherlands	107	213
4	Spain	106	566	3.4	21	Norway	80	348
5	Brazil	51	495	3.0	22	Argentina	11	131
6	Poland	38	286	1.7	23	**East Germany	30	238
7	United Kingdom	59	434	2.6	24	Turkey	19	47
8	West Germany	106	588	3.5	28	Canada	27	89
9	Yugoslavia	23	328	2.0		Rest of World	308	620
10	France	36	353	2.1		World Total	2233	16 731
11	**Romania	12	191	1.1				100.0
12	U.S.A	207	221	1.3				
13	Denmark	46	438	2.6				
14	Sweden	25	290	1.7				
15	Finland	36	272	1.6				
16	Italy	30	179	1.1				
17	Portugal	9	18	0.1				

* Ranking is in keeping with the Order Book (See Table MP15)
 ** Information incomplete.

NOTE: Because of rounding, totals are not always exactly the sum of parts.

SOURCE: Lloyd's Register of Shipping Quarterly Report 1982, as shown in 1982 ANNUAL REPORT, Canadian Shipbuilding and Ship Repairing Association, published March 1983, p.64.

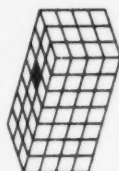


Figure MP 16 — World Order Book Merchant Ships Completed During 1982, Thousands of Gross Tons

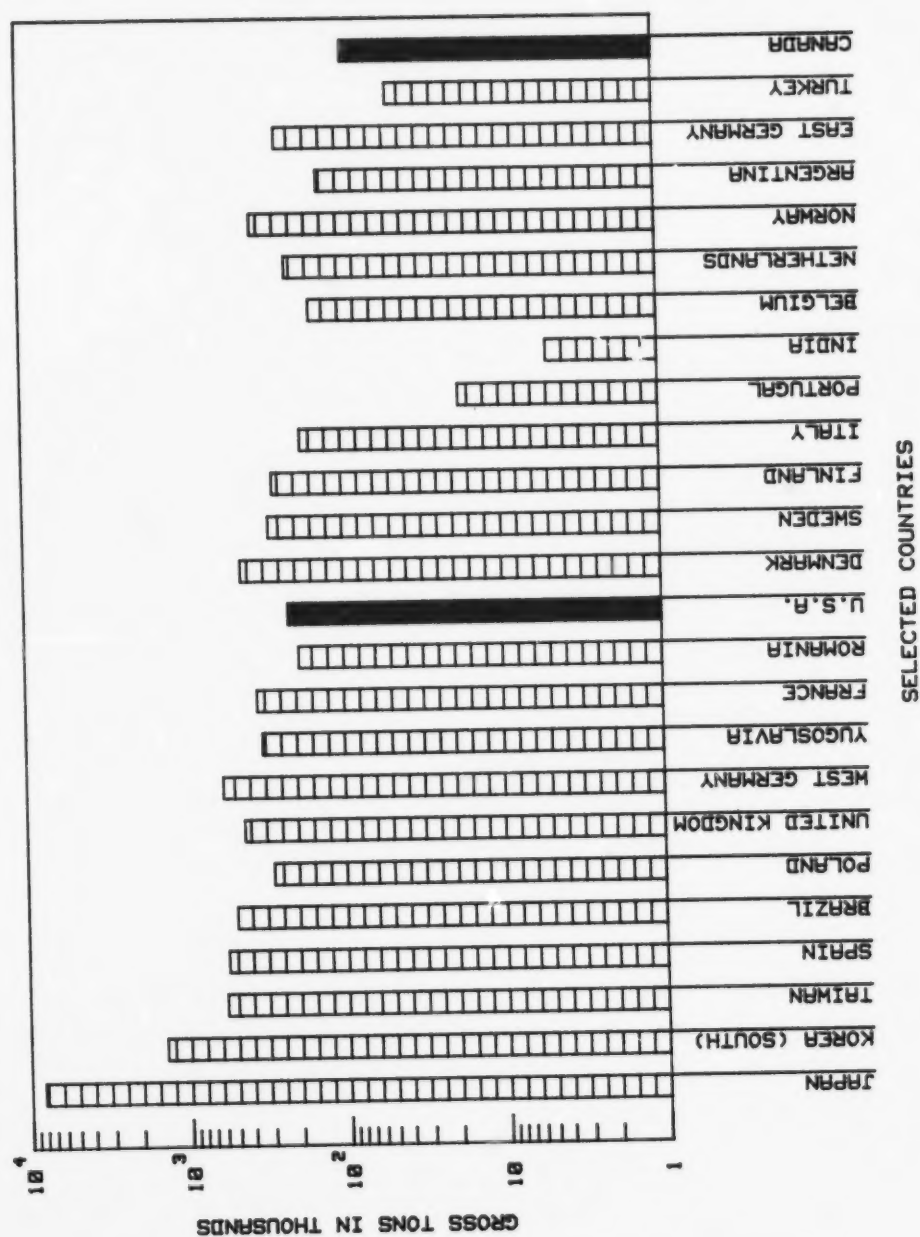


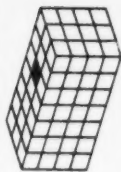


Table MP 17 - Exports and Imports of Ships, Boats, Parts and Accessories, 1971-1982, in Thousands of Dollars

YEAR	IMPORTS			EXPORTS		
	Ships & Boats		Total	Ships & Boats		Total
		Parts & Accessories			Parts & Accessories	
1971	4 703	12 212	16 915	4 736	8 643	13 379
1972	9 564	23 855	33 419	25 605	5 708	31 313
1973	12 185	26 251	38 436	132 888	12 284	145 172
1974	30 093	30 460	60 553	87 093	22 536	109 629
1975	21 901	36 249	58 150	182 281	27 544	209 825
1976	16 490	31 592	48 082	190 126	26 844	216 970
1977	26 588	35 096	61 684	147 393	28 142	175 535
1978	7 905	35 771	43 676	151 545	45 970	197 515
1979	45 428	52 194	97 622	159 594	62 470	222 064
1980	24 811	48 936	73 747	220 911	61 227	282 138
1981	39 424	57 786	97 210	71 205	69 637	140 842
1982	55 590	228 052	283 642	213 885	97 510	311 395

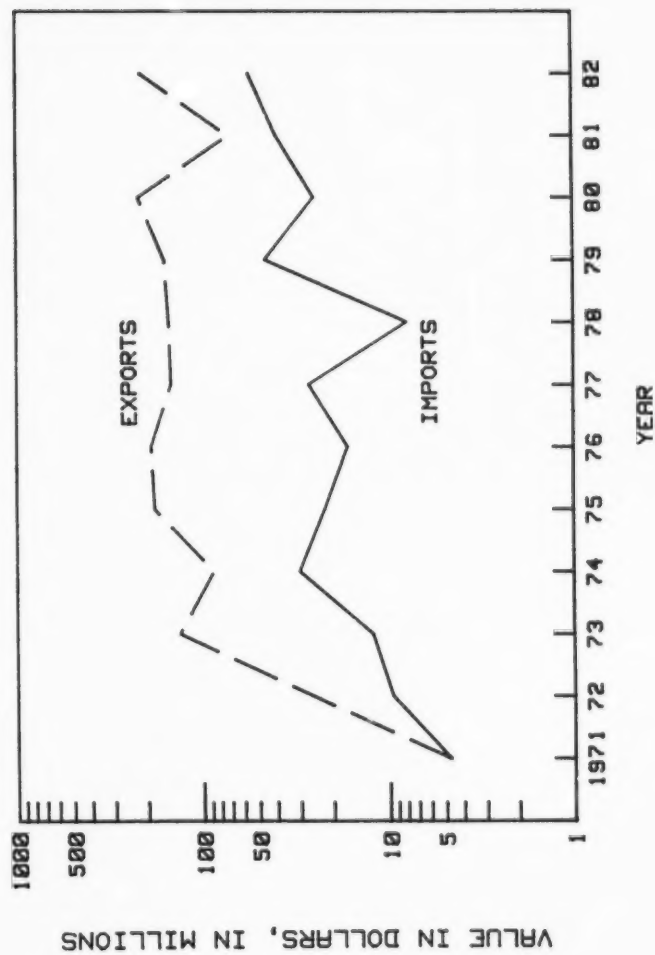
NOTE: 1. Trade figures are subject to revisions which are often substantial. Recent data therefore should be considered as preliminary.
2. In addition to the products of shipyards, lifeboats, launches and other items are included in imports and exports.

SOURCE: Statistics Canada, as shown in 1982 ANNUAL REPORT, Canadian Shipbuilding and Ship Repairing Association, published March 1983, p.66.



Marine

Figure MP 17 — Exports and Imports of Ships and Boats, their Parts and Accessories, 1971 — 1982



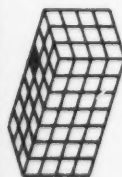
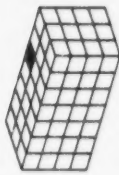


Table MF 1 - Trade in Ships, Boats and Related Commodities, by Region,* 1971-1976

IMPORTS	ATLANTIC REGION	QUEBEC	ONTARIO	PRAIRIE REGION	BRITISH COLUMBIA	TOTAL, CANADA
	IN \$ '000					
Imports						
1971	7 611	9 278	35 404	1 560	13 506	67 360
1972	12 553	26 286	48 319	2 238	22 748	112 146
1973	13 925	24 867	58 002	3 505	30 127	130 426
1974	29 663	25 761	76 160	6 186	59 966	197 735
1975	34 078	32 604	79 760	7 349	53 511	207 302
1976	20 804	35 468	93 595	13 262	37 614	200 742
Exports						
1971	3 586	8 637	17 785	171	5 833	36 011
1972	14 332	7 356	32 038	175	4 709	58 611
1973	53 506	65 312	39 858	195	21 590	179 463
1974	42 309	60 961	32 858	1 787	10 796	148 441
1975	73 013	110 994	44 259	365	18 759	247 388
1976	5 795	116 974	40 725	788	25 748	190 029
Balance of Trade						
1971	-4 025	-641	-17 619	-1 389	-7 673	-31 349
1972	+1 779	-18 930	-16 281	-2 063	-18 039	-53 535
1973	+39 581	+40 445	-19 144	-3 310	-1 184	+49 537
1974	+12 646	+35 200	-43 302	-4 399	-49 170	-49 294
1975	+38 935	+78 390	-42 889	-6 984	-34 752	+40 086
1976	-15 009	+81 506	-52 870	-12 474	-11 866	-10 713

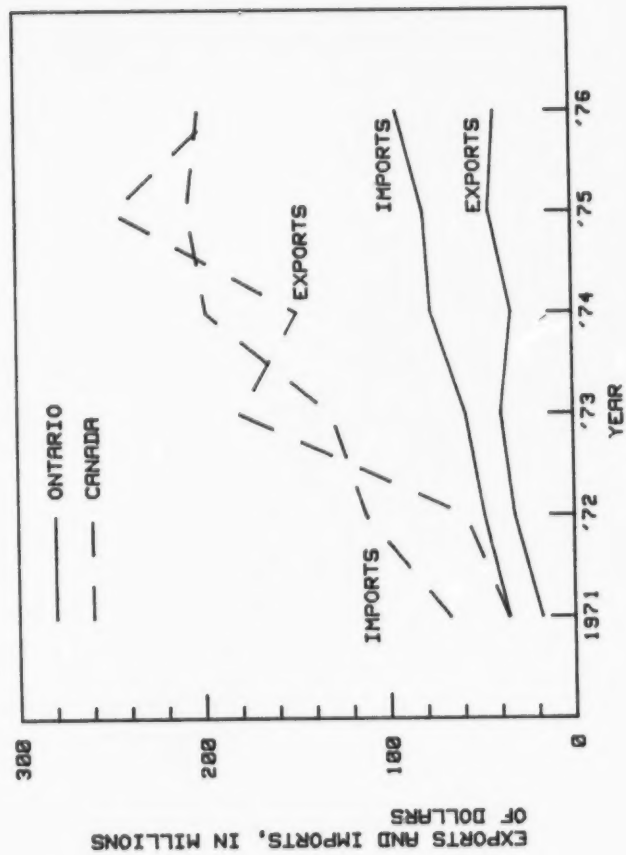
Note: * Regional breakdown of trade data relative to origin or destination by lading.

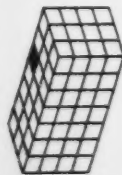
Source: Statistics Canada, as shown in PROSPECT FOR SHIPBUILDING: AN ONTARIO PERSPECTIVE. Industry Sector Policy Branch, Ministry of Industry and Tourism. Office of Economic Policy, Ministry of Treasury, Economics and Intergovernmental Affairs, December 1977, p. 12.



Marine

Figure MF 1 - Trade in Ships, Boats and Related Commodities, by Region, 1971 - 1976





Marine

Table MF 2 - For-Hire and Private Carrier Gross Revenue from Water Transportation for Canada and Ontario, 1975, 1976 and 1977

PROVINCE OR TERRITORY OF REPORTING UNIT DOMICILE*	YEAR	NUMBER OF CARRIERS	TRANSPORT OF COMMODITIES	TRANSPORT OF PASSENGERS	CHARTERING TO OTHERS	TOWING	OTHER		
							VESSEL REVENUES	SUBSIDIES	TOTAL
------(IN DOLLARS)-----									
CANADA - TOTAL	1975	535	739 825 709	47 219 558	197 728 026	118 675 291	5 961 443	118 992 590	1 228 332 617
	1976	544	684 017 383	43 791 559	261 909 916	138 470 518	37 400 858	111 719 605	1 277 309 839
	1977	569	760 128 087	43 108 125	253 105 361	161 652 287	33 134 178	163 647 797	1 414 775 835
ONTARIO	1975	101	204 451 013	3 246 880	47 186 697	2 868 924	325 394	132 609	258 211 517
	1976	110	216 248 398	3 087 153	42 200 884	2 126 433	6 254 581	132 609	270 050 058
	1977	113	246 990 378	3 208 625	31 271 236	3 060 466	4 808 246	150 000	289 488 951
ONTARIO AS % OF CANADA -TOTAL	1975	18.9%	27.6%	6.9%	23.9%	2.4%	5.5%	0.11%	21.0%
	1976	20.2%	31.6%	7.1%	16.1%	1.5%	16.7%	0.12%	21.1%
	1977	19.9%	32.5%	7.4%	12.4%	1.9%	14.5%	0.09%	20.5%

Note: * The Province or territory of domicile of the reporting unit is not necessarily synonymous with the province or territory in which vessel operations take place.

Source: Statistics Canada, Water Transportation, 1975, 1976 and 1977, Catalogue No. 54-205 Annual, Ottawa, Ontario, June 1978, Table 19, p. 40; October 1978, Table 25, p. 51 and February 1979, Table 25 p. 51 respectively.

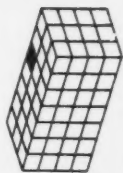
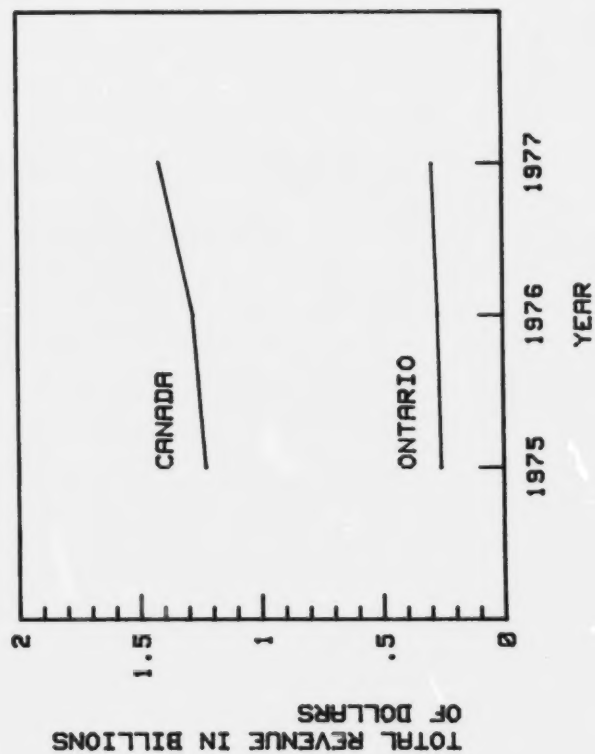


Figure MF 2 — Gross Revenue from Water Transportation for Canada and Ontario, 1975, 1976 and 1977



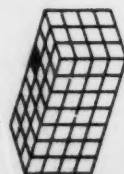
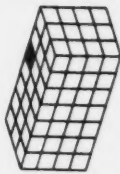


Table MF 3 - Summary of Financial Statements, St. Lawrence Seaway Authority, 1960-1979, Millions of Dollars

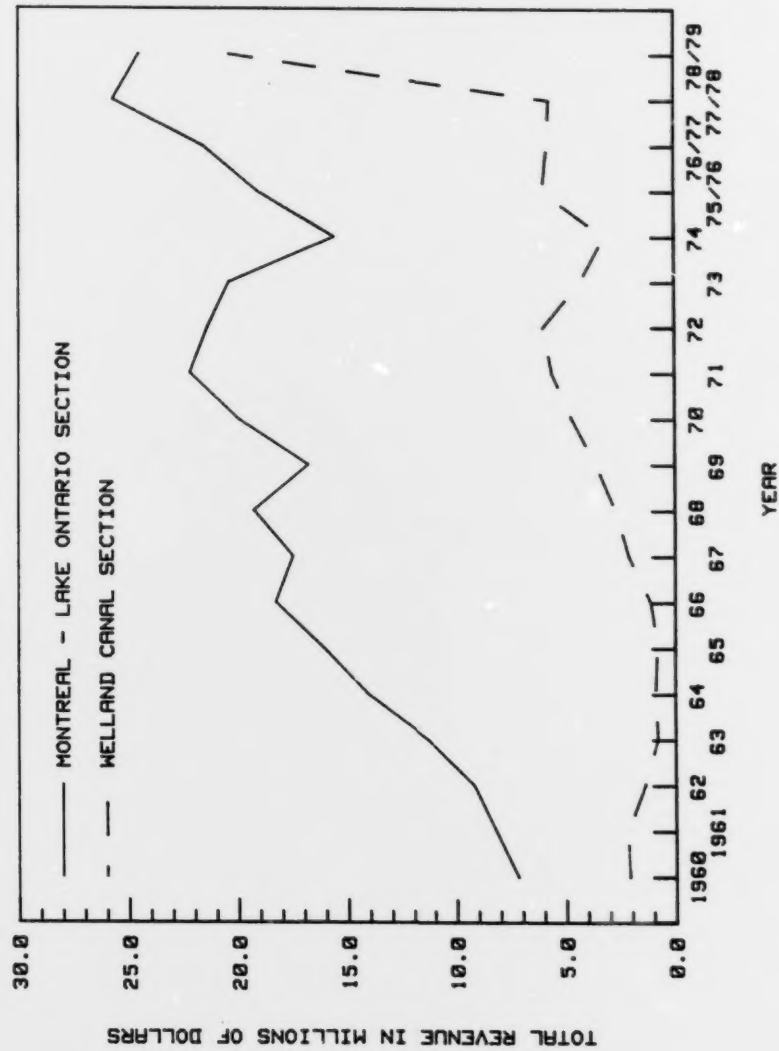
	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975/76	1976/77	1977/78	1978/79
Montreal-Lake Ontario Section																			
Total Revenue	7.2	8.2	9.2	11.3	14.1	16.1	18.3	17.5	19.3	16.8	20.0	22.2	21.4	20.4	15.6	19.1	21.6	25.7	24.5
Expenses	2.9	3.1	3.7	4.1	4.1	4.4	5.2	6.0	6.7	7.6	8.5	10.5	11.7	10.8	11.3	16.8	15.5	19.2	22.2
Operating Profit	4.4	5.1	5.5	7.2	10.0	11.7	13.1	11.3	12.6	9.2	11.5	11.7	9.7	9.6	4.3	2.3	6.1	6.5	2.3
Interest	11.5	12.8	13.9	14.8	15.5	15.8	16.4	16.7	17.2	17.8	18.8	19.8	20.6	21.7	23.0	31.8	28.1	---	---
Loss for the year	7.1	7.7	8.4	7.6	5.5	4.1	3.3	5.4	4.6	8.6	7.3	8.1	10.9	12.1	18.7	29.5	22.0	6.5	2.3
Total Debt	300.9	321.5	337.5	357.1	363.3	371.3	375.8	384.2	390.6	399.0	409.3	419.0	430.7	443.4	465.3	n.a	n.a	n.a	n.a
Welland Canal																			
Total Revenues (Million)	2.1	2.2	1.4	0.8	0.9	0.8	1.1	2.1	2.7	3.6	4.7	5.6	6.0	4.3	3.2	6.0	5.8	5.7	20.4
Expenses	3.8	4.6	4.4	4.9	6.3	8.9	11.2	10.3	11.0	10.7	11.9	12.5	13.9	14.2	16.4	23.4	18.4	33.2	27.7
Operating Loss	1.7	2.4	3.0	4.1	5.4	8.1	10.1	8.2	8.3	7.1	7.2	6.9	7.9	9.9	13.2	17.4	12.6	27.5	7.3
Interest	1.2	1.5	1.8	2.1	2.6	0.1	---	---	0.7	0.8	1.0	2.0	2.1	13.6	18.5	22.7	18.1	---	---
Loss for the Year	2.9	3.9	4.8	6.2	8.0	8.2	10.1	8.2	9.0	7.9	8.2	8.9	10.0	23.5	31.7	40.1	30.7	27.5	7.3
Total Debt	29.7	32.4	33.0	40.0	43.6	53.6	80.2	98.1	121.2	147.3	187.0	237.2	283.8	315.1	321.3	n.a	n.a	n.a	n.a
Combined for Both Sections																			
Total Revenue	9.3	10.4	10.6	12.1	15.0	16.9	19.4	19.6	22.0	20.4	24.7	27.8	27.4	24.7	18.8	25.1	27.4	31.4	44.9
Expenses	6.7	7.7	8.1	9.0	10.4	13.3	16.4	16.3	17.7	18.3	20.4	23.0	25.6	25.0	27.7	40.2	33.9	52.4	49.9
Operating Profit	2.6	2.7	2.5	3.1	4.6	3.6	3.0	3.3	4.3	2.1	4.3	4.8	1.8	(0.3)	(8.9)	(15.1)	(6.5)	(21.0)	(5.0)
Interest	12.7	14.3	15.7	16.9	18.1	15.9	16.4	16.7	17.9	18.6	19.8	21.8	22.7	35.3	41.5	54.5	46.2	---	---
Loss for the year	10.1	11.6	13.2	13.8	13.5	12.3	13.4	13.4	13.6	16.5	15.5	17.0	20.9	35.6	50.4	69.6	52.7	21.0	5.0
Total Debt	330.6	353.9	370.5	397.1	406.9	424.9	456.0	482.3	511.8	546.3	594.3	656.2	714.5	758.5	786.6	817.2	841.4	216.9	218.4

SOURCE: The St. Lawrence Authority Annual Reports. Data are for years ending December 31st for 1960 to 1974 inclusive and for the years ending March 31, 1976, 1977, 1978 and 1979.



Marine

Figure MF 3 - Summary of Financial Statements, St. Lawrence Seaway Authority, 1960-1979



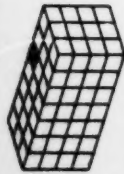
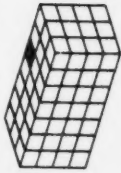


Table MF 4 — Statement of Operations, for the Year Ended March 31, 1980 — The St. Lawrence Seaway Authority

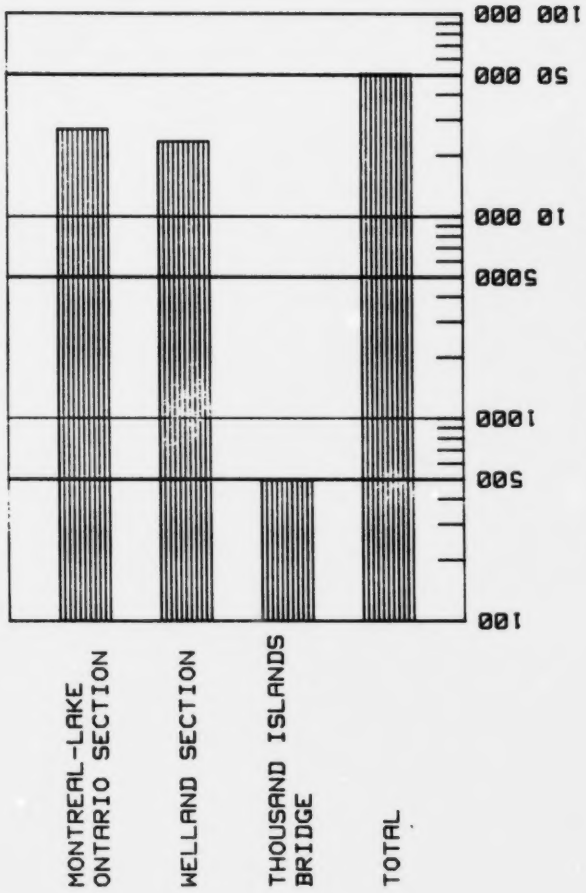
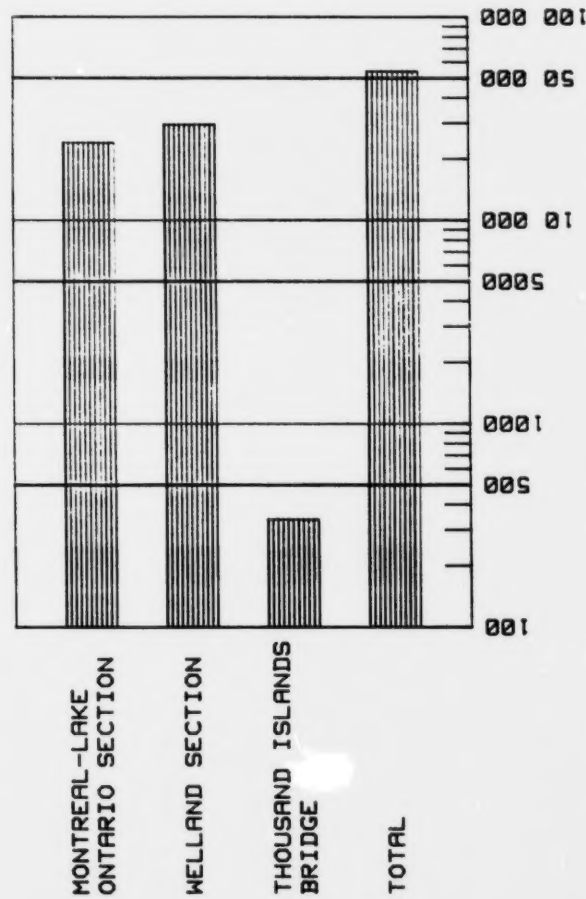
	Montreal-Lake Ontario Section	Welland Section	Thousand Islands Bridge	Total
				1980 1979
Revenues				
Tolls	\$ 26 057 562	\$ 21 283 079	\$ -	\$ 47 340 641
Other	814 450	2 120 228	498 116	3 432 794
Total income	<u>26 872 012</u>	<u>23 403 307</u>	<u>498 116</u>	<u>50 773 435</u>
Expenses				
Operation	4 917 962	7 115 298	-	12 033 260
Maintenance	7 762 986	9 652 424	82 465	17 497 875
Administration	2 874 851	2 814 853	197 203	5 886 907
Headquarters	3 366 704	3 940 362	36 000	7 343 066
Research and development	500 741	586 063	-	1 086 804
Depreciation	3 850 295	4 591 917	23 589	8 465 801
Employee termination benefits	816 356	900 660	-	1 717 016
	<u>24 089 895</u>	<u>29 601 577</u>	<u>339 257</u>	<u>54 030 729</u>
Operating profit (loss)	2 782 117	(6 198 270)	158 859	(3 257 294)
Income from investments	<u>2 140 847</u>	<u>2 505 630</u>	<u>-</u>	<u>4 646 477</u>
Net Profit (loss) before parliamentary appropriations	4 922 964	(3 692 640)	158 859	1 389 183
Parliamentary appropriations	-	-	-	-
Net profit (loss) transferred to statement of deficit	<u>\$ 4 922 964</u>	<u>\$ (3 692 640)</u>	<u>\$ 158 859</u>	<u>\$ 1 389 183</u>
				<u>\$ (1 671 064)</u>

SOURCE: THE ST. LAWRENCE SEAWAY AUTHORITY 1979 ANNUAL REPORT

Figure MF 4 - Statement of Operations - The St. Lawrence Seaway Authority, for the Year Ended March 31, 1980



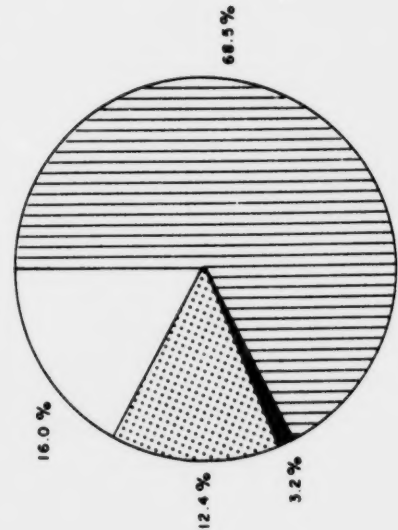
Marine



OPERATING EXPENSES IN THOUSANDS

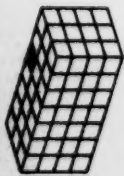
TOTAL REVENUE IN THOUSANDS

SOURCE: 1982 ANNUAL REPORT, The St. Lawrence Seaway Authority.



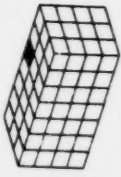
Transport of Commodities
Transport of Passengers
Towing
Other

Source: Marine Transport Section, Statistics Canada



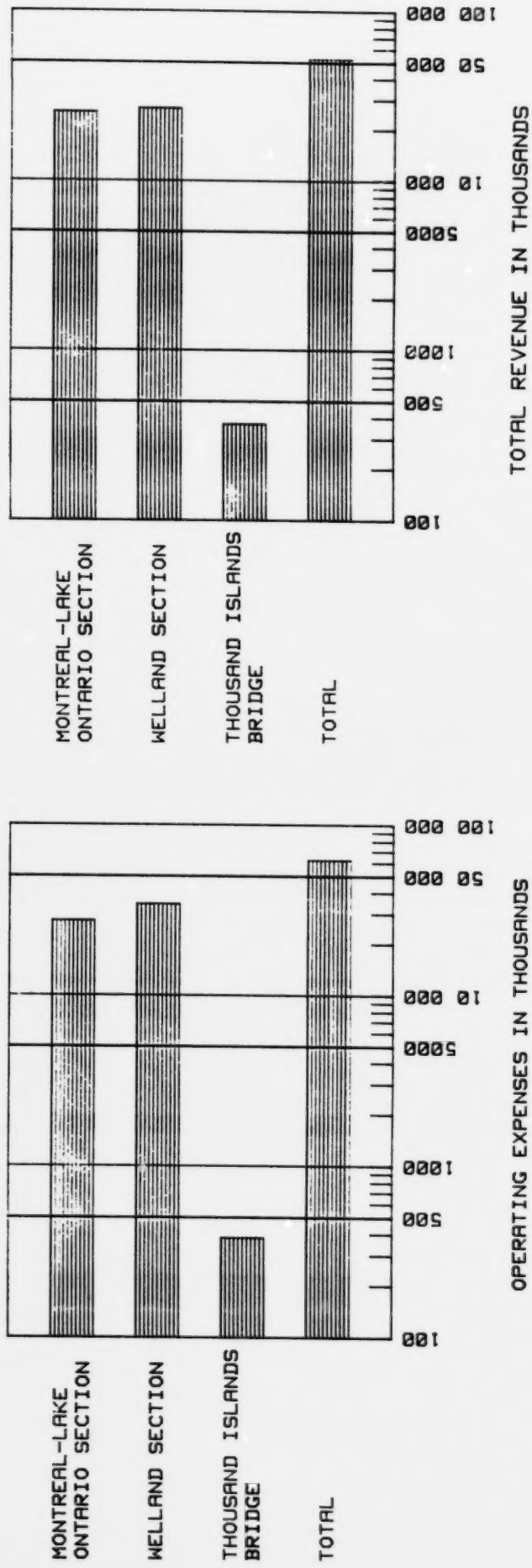
	Montreal-Lake Ontario Section	Welland Section	Thousand Islands Bridge	1983	1982
Revenues					
Tolls	\$ 23 695 242	\$ 24 545 433	\$ -	\$ 48 240 675	\$47 956 802
Other	1 609 900	2 189 388	368 845	4 168 133	4 049 427
Total income	<u>25 305 142</u>	<u>26 734 821</u>	<u>368 845</u>	<u>52 408 808</u>	<u>52 006 229</u>
Expenses					
Operation	5 979 984	8 742 922	-	14 722 906	13 694 918
Maintenance	8 911 789	11 026 707	73 740	20 012 236	19 356 448
Administration	3 886 997	4 226 237	248 253	8 361 487	7 470 268
Headquarters	3 921 431	4 934 481	36 000	8 891 912	8 153 128
Research and development	4 068	5 119	-	9 187	174 407
Depreciation	4 107 130	4 600 160	23 589	8 730 879	8 573 538
Employee termination benefits	629 856	862 822	-	1 492 678	2 212 458
	<u>27 441 255</u>	<u>34 398 448</u>	<u>381 582</u>	<u>62 221 285</u>	<u>59 635 165</u>
(Loss) income from operations	(2 136 113)	(7 663 627)	(12 737)	(9 812 477)	(7 628 936)
Income from investments	2 672 006	3 362 307	-	6 034 313	6 284 304
Insurance premiums refunded	28 037	37 267	-	65 304	175 619
(Loss) net income for the year	<u>\$ 563 390</u>	<u>\$ (4 264 053)</u>	<u>\$ (12 737)</u>	<u>\$ (3 712 860)</u>	<u>\$(1 169 013)</u>

SOURCE: 1982 ANNUAL REPORT, The St. Lawrence Seaway Authority.

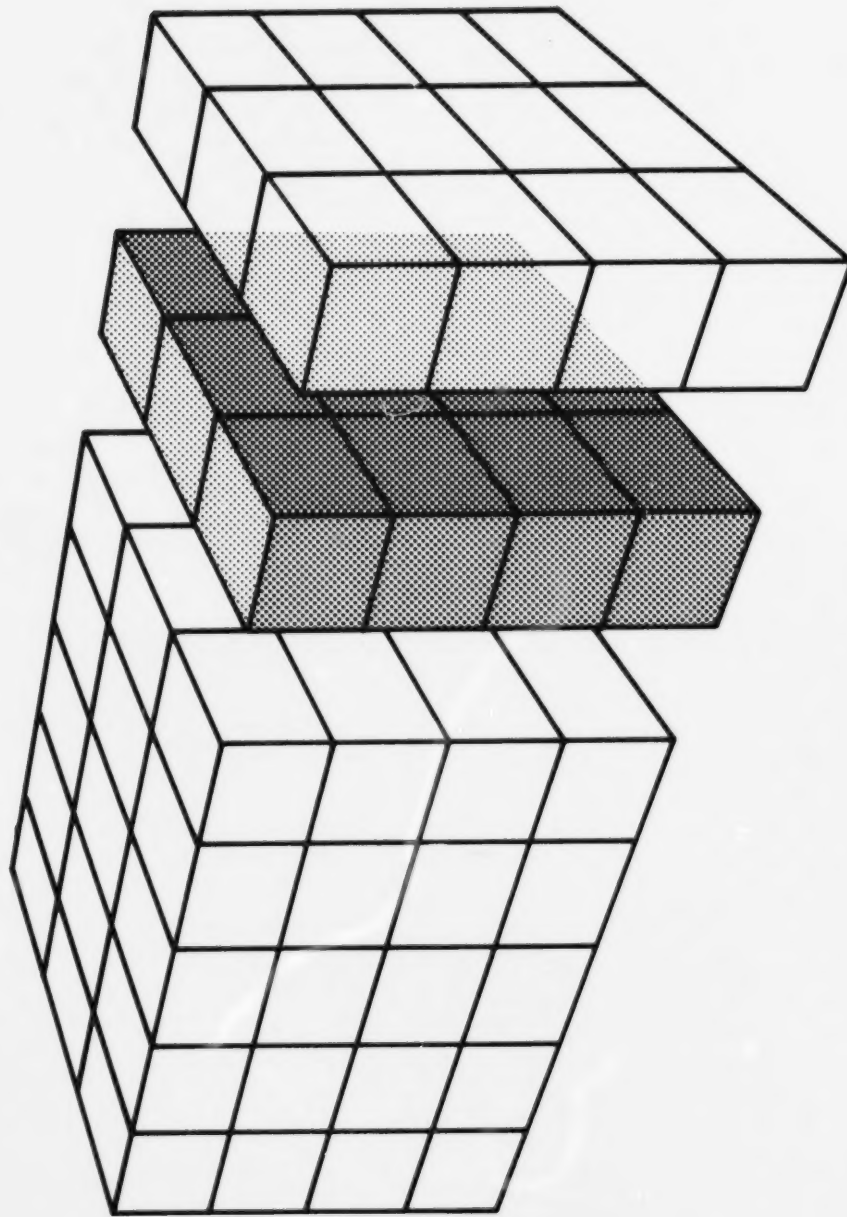


Marine

Figure MF 5 - Statement of Operations - The St. Lawrence Seaway Authority, for the Year Ended March 31, 1983



Pipeline



6. Pipeline

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NOTE:

Statistics Canada uses the nonstandard spelling of pipeline: "pipe line". Direct quotations from Statistics Canada publications also use this spelling, although the report is standardized on "pipeline".

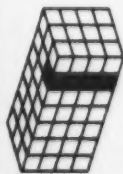
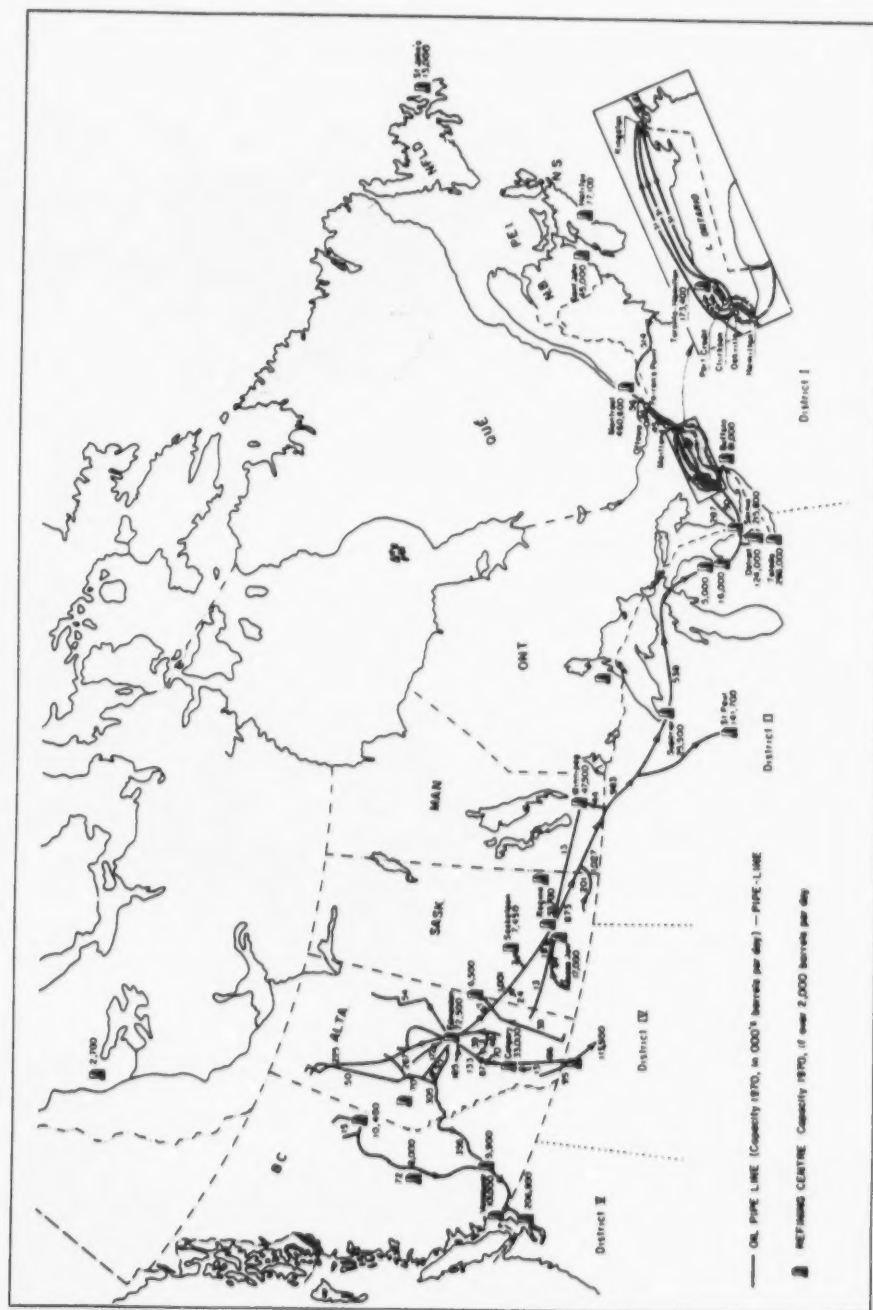
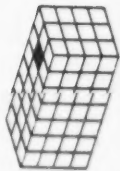


Figure PI 1 — Pipelines and Refining Centres in Canada, 1970

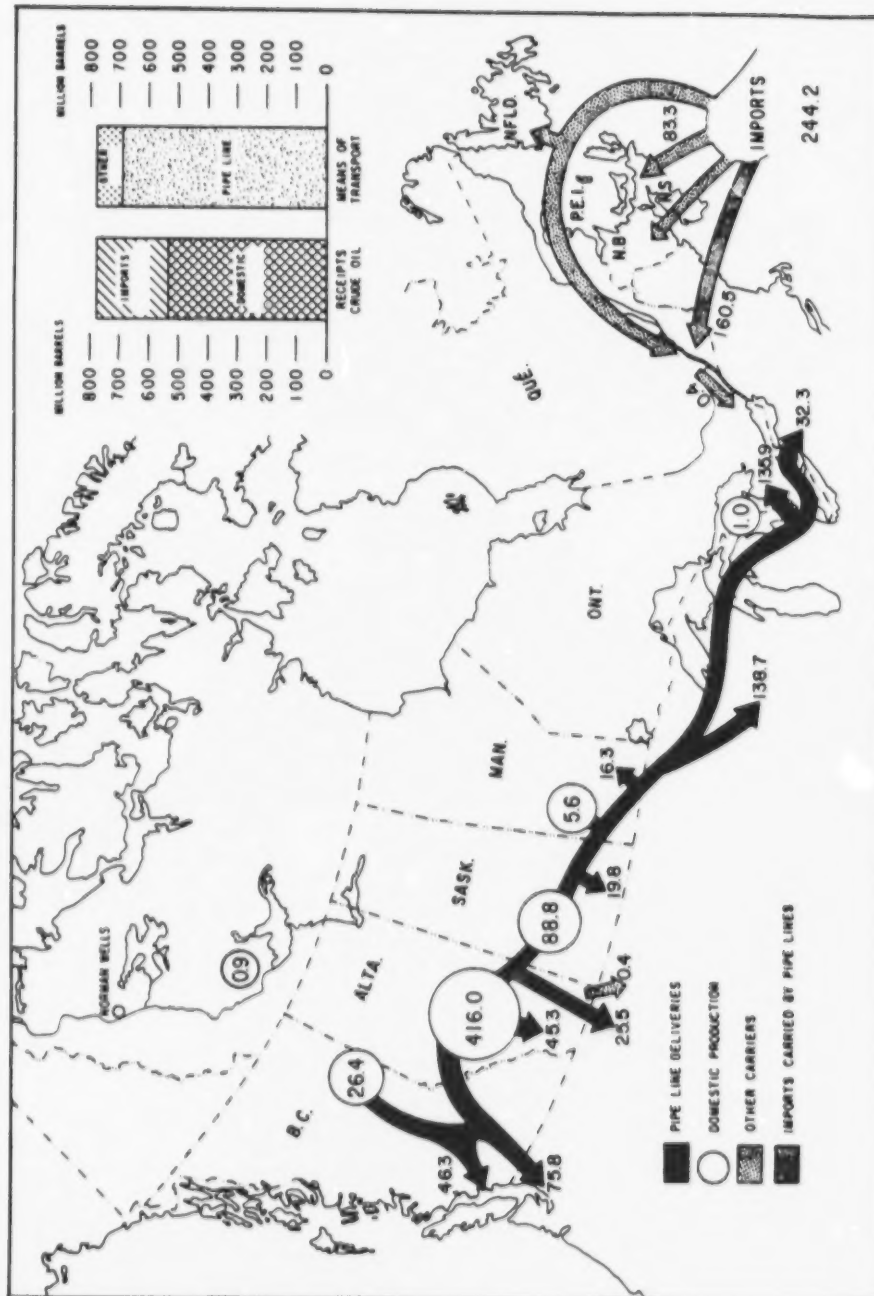


SOURCE: OIL PIPE LINE TRANSPORT, 1970, Catalogue 55-201 Annual, Statistics Canada, Ottawa, Ontario, February 1973, p.11.



Pipeline

Figure PP 1 — Distribution of Domestic and Imported Crude Oil, 1971



SOURCE: OIL PIPE LINE TRANSPORT, 1970, Catalogue 55-201 Annual, Statistics Canada, Ottawa, Ontario, May 1973, p.10.

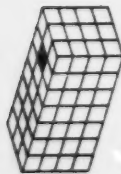
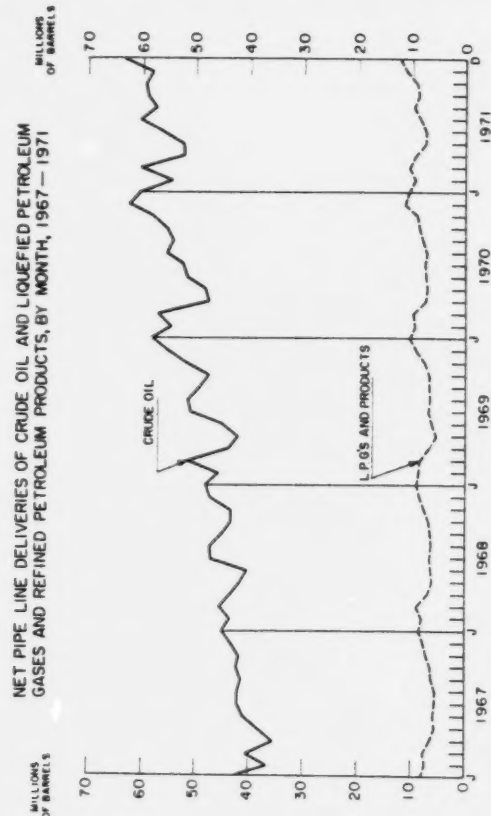
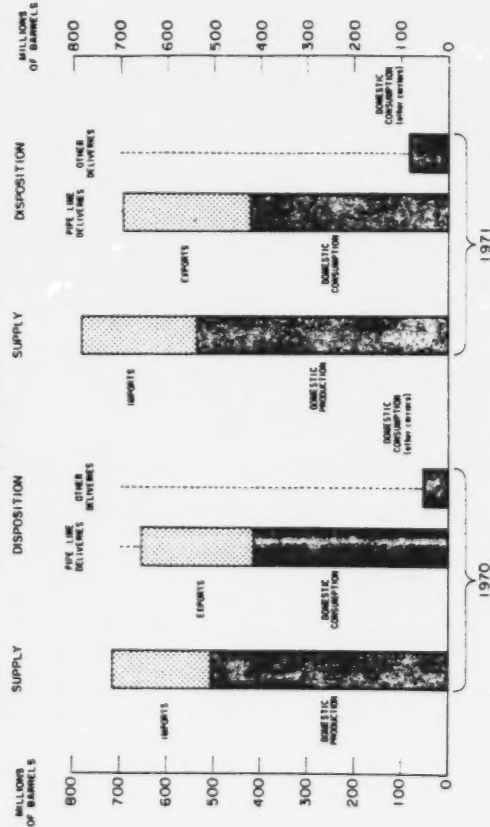
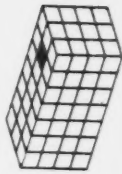


Figure PP 2 - Supply and Disposition of Crude Oil and Equivalent, 1970 and 1971; Net Pipeline Deliveries of Crude Oil and Liquefied Petroleum Gases and Refined Petroleum Products, by Month, 1967-1971

SUPPLY AND DISPOSITION OF CRUDE OIL AND EQUIVALENT, 1970 AND 1971

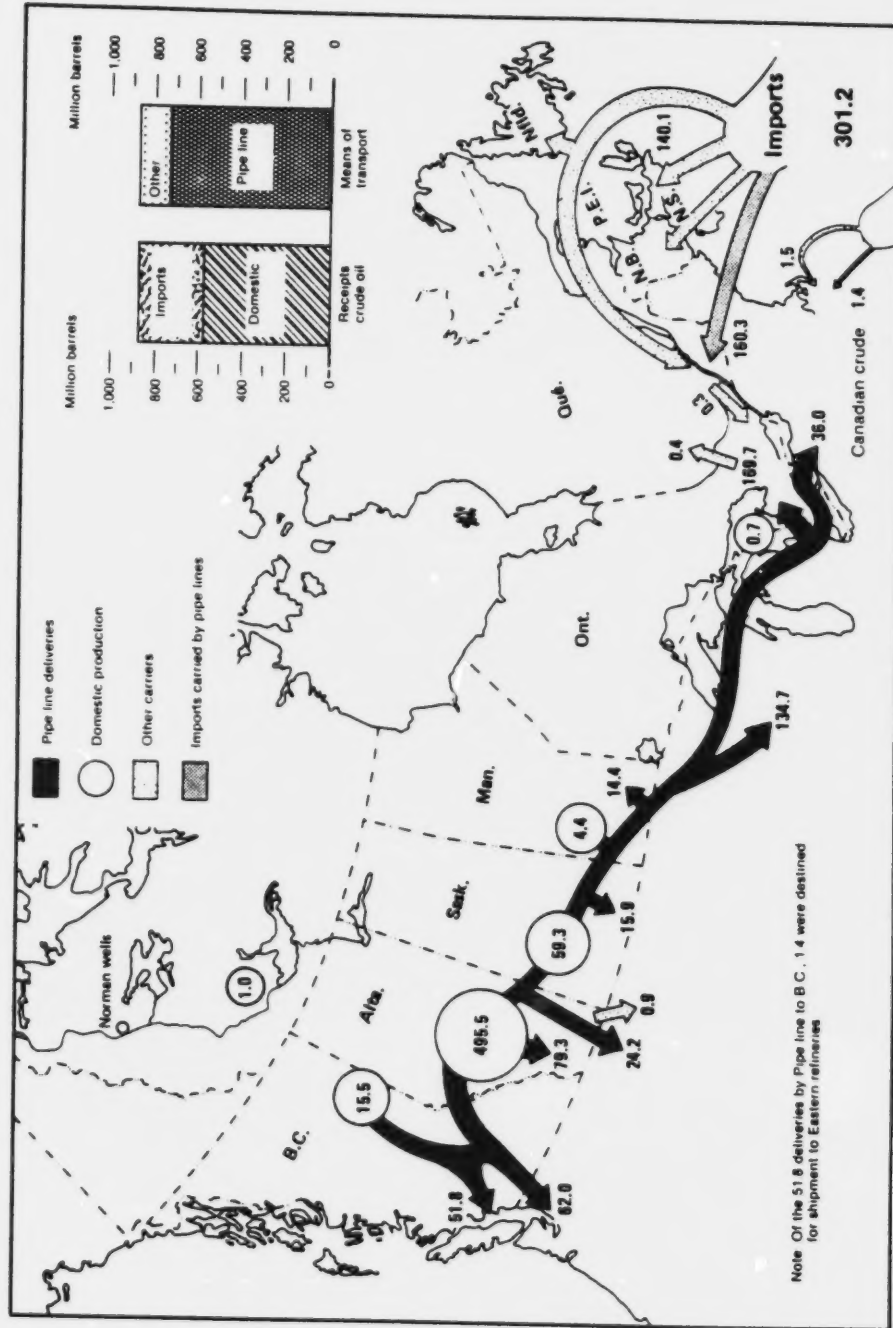


SOURCE: OIL PIPE LINE TRANSPORT, 1971, Catalogue 55-201 Annual, Statistics Canada, Ottawa, Ontario, May 1973, p.8.



Pipeline

Figure PP 3 — Distribution of Domestic and Imported Crude Oil, 1975



SOURCE: OIL PIPE LINE TRANSPORT, 1975, Catalogue 55-201 Annual, Statistics Canada, Ottawa, Ontario, March 1977, p.8.

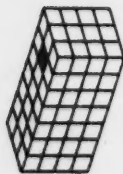


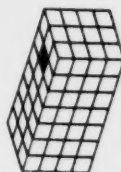
Table PP 4 - Oil Pipeline in Canada, Selected Statistics, 1976-1981

	1976	1977	1978	1979	1980	1981
-- IN MILLIONS --						
Consumption by Canadian refineries						
Domestic production	56.4	65.4	68.1	77.2	89.5	80.3
Imports	"	"	35.7	35.4	32.2	29.5
Pipe line exports	"	31.9	20.5	23.8	18.5	19.5
Net receipts into pipe line:						
Crude oil (domestic)	"	84.8	83.7	94.2	90.0	80.9
All commodities	"	144.8	139.0	138.6	134.8	127.3
Operating revenues	\$	303.0	363.8	439.5	429.6	460.9
Operating expenses	\$	109.8	121.5	136.4	179.3	204.2
Net income (after income tax)	\$	88.4	104.8	133.8	124.5	116.8
Property account	\$	1 558.0	1 417.7	1 612.4	1 645.5	1 856.7
Long-term debt	\$	513.5	546.5	496.1	470.6	456.8
Cubic metre kilometres	110 343.3	115 230.4	114 492.2	130 510.3	122 141.5	107 650.4
Pipe line mileage						
Gathering	"	12 533.5(1)	12 460.7(2)	12 394.4(3)	12 855.9(4)	13 856.9(6)
Trunk - Crude	"	16 575.1	17 287.6	17 179.4	17 127.4	17 854.3
Products lines	"	3 754.4	3 763.7	4 846.8	4 884.3	4 924.5
TOTAL	"	32 863.0(1)	33 512.0(2)	34 420.6(3)	34 867.6(4)	36 662.6(5)
Average kilometres per cubic metre	766.6	819.1	823.3	855.6	820.2	739.3
Employees	1 387	1 232	1 395	1 417	1 459	1 456
Earnings	\$ '000	25 506	25 214	29 533	32 287	36 928

NOTE: 1. Includes 4294.1 kilometres of producers' gathering lines.
 2. Includes 4190.5 kilometres of producers' gathering lines.
 3. Includes 4158.6 kilometres of producers' gathering lines.
 4. Includes 4539.0 kilometres of producers' gathering lines.
 5. Includes 4895.7 kilometres of producers' gathering lines.
 6. Includes 5246.9 kilometres of producers' gathering lines.

-- CUBIC METRE KILOMETRES - One cubic metre of oil moved one kilometre.

SOURCE: OIL PIPE LINE TRANSPORT 1981, Catalogue 55-201 Annual, Statistics Canada, Ottawa, Ontario, January 1983.



Pipeline

Table PP 5 — Receipts and Disposition of Crude Oil and Equivalent, by Source, Canada, 1980 and 1981, and Ontario, 1981

NO.	CANADA, TOTAL, 1980	CANADA, TOTAL, 1981	ONTARIO 1981	PERCENTAGE ONTARIO
CUBIC METRES				
Receipts				
Net receipts:				
1. From fields	78 220 360	69 350 865	--	--
2. From other carriers	1 768 877	1 511 782	11 739	0.78%
3. From processing plants	9 883 440	9 091 493	1 097 686	12.07%
4. Imports(1)	13 247 220	17 335 028	7 083 046	40.86%
5. From other	96 533	951 056	--	--
6. Total, Net Receipts	103 216 430	98 240 224	8 192 471	8.34%
Transfers:				
7. From other provinces	180 712 728	158 682 738	41 645 807	26.25%
8. From other pipelines	88 130 447	77 945 905	--	--
9. From interprovincial systems	10 032 865	9 329 015	280 047	3.00%
10. TOTAL, GROSS RECEIPTS	382 092 470	344 197 822	50 118 325	14.56%
Disposition				
Net Deliveries:				
11. To refineries	88 739 236	83 529 461	31 955 637	38.26%
12. To other carriers	--	508	--	--
13. To bulk plants and terminals	458 732	28 319	--	--
14. To processing plants	906 302	1 686 244	1 136 766	67.44%
15. For export(2)	11 939 388	12 878 068	3 526 492	27.38%
16. To other(3)	913 492	155 857	--	--
17. Total, net deliveries	102 957 150	98 278 457	36 618 895	37.26%
Transfers:				
18. To other provinces	180 712 728	158 682 738	13 491 942	8.50%
19. To other pipe lines	19 287 062	17 681 038	--	--
20. To interprovincial systems	78 876 250	69 593 882	280 047	0.40%
21. Total, gross deliveries	381 833 190	344 236 115	50 390 884	14.64%
22. Pipe line fuel and use	--	--	--	--
23. Line losses and unaccounted for	63 065	44 425	13 263	29.54%
24. Inventory changes	196 215	-82 658	-285 822	-34.58%
25. Other changes	--	--	--	--
26. Deliveries to other carriers, United States(3)	--	--	--	--
27. TOTAL DISPOSITION	382 092 470	344 197 882	50 118 325	14.56%

NOTE: 1. Imports include 3 586 129 cubic metres of mid-continental exchange and 266 528 cubic metres of eastern exchange.

2. Exports include 3 900 920 cubic metres of exchange crude oil.

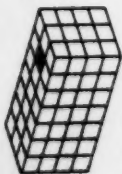
3. Includes movement of oil from West coast ports to east coast refineries via Panama Canal.

-- CRUDE OIL - A naturally occurring liquid hydrocarbon.

-- CONDENSATE - A naturally occurring hydrocarbon which is gaseous in its virgin reservoir state, but is liquid at the conditions under which its volume is measured.

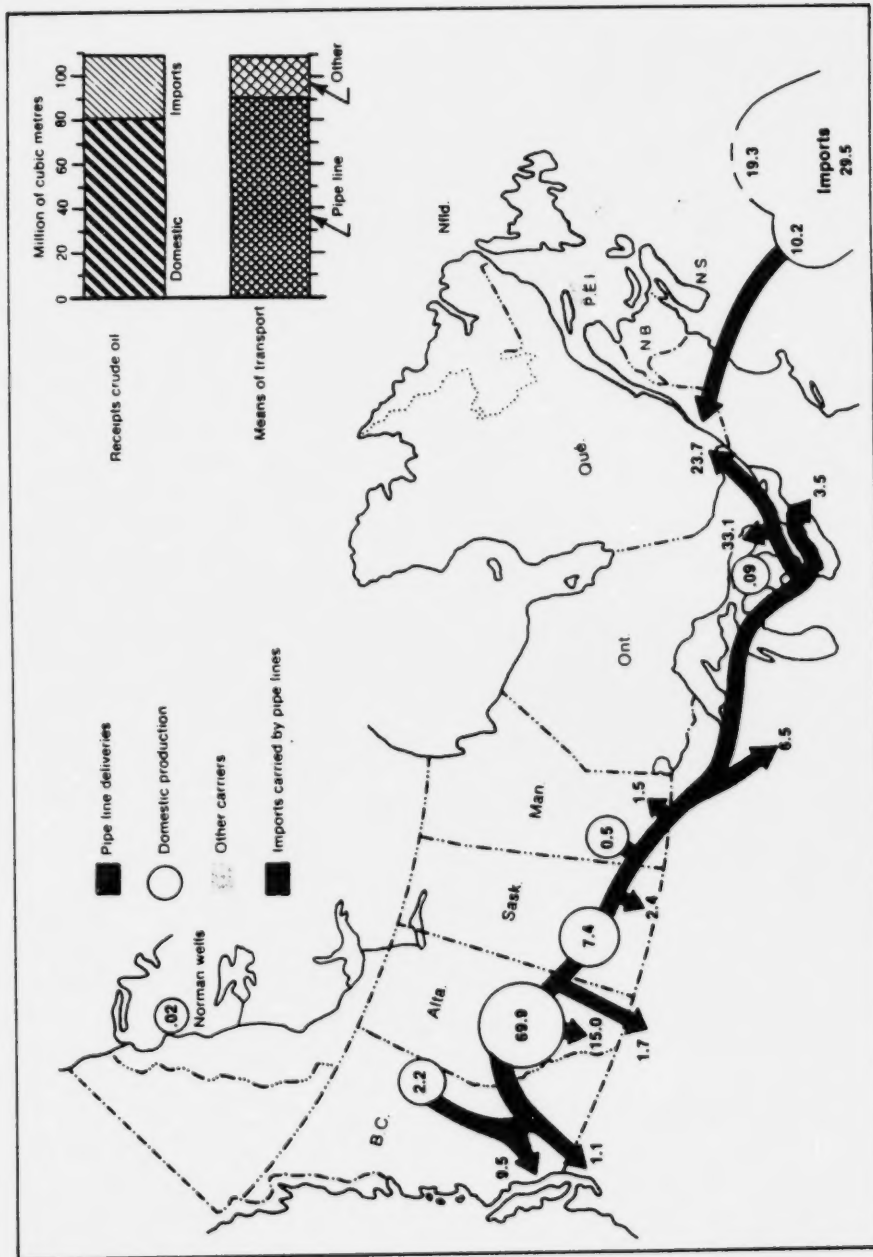
-- PENTANES PLUS - A liquid hydrocarbon produced from raw natural gas, condensate or crude oil.

SOURCE: OIL PIPE LINE TRANSPORT 1981, Catalogue 55-201 Annual, Statistics Canada, Ottawa, Ontario, January 1983.

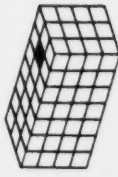


Pipeline

Figure PP 6 — Distribution of Domestic and Imported Crude Oil, 1981



SOURCE: OIL PIPE LINE TRANSPORT, 1981, Catalogue 55-201 Annual, Statistics Canada, Ottawa, Ontario, January 1983, p. 8.

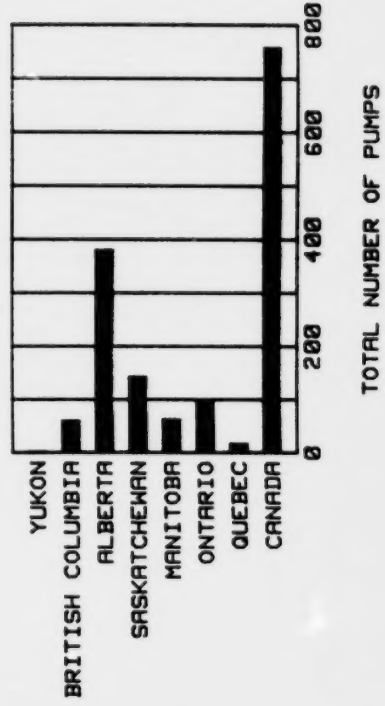
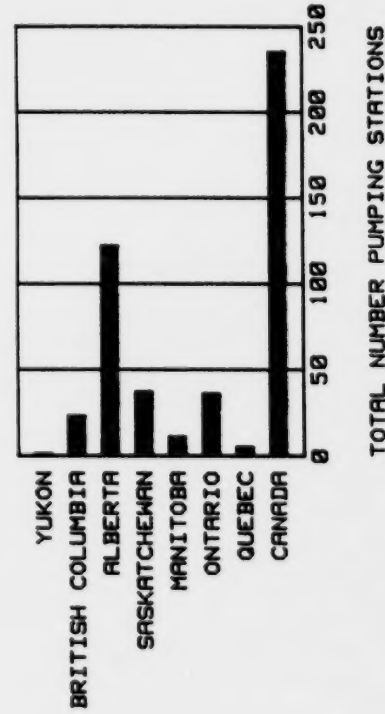


Pipeline

Table and Figure PP 7 - Number of Pumping Stations, Prime Movers and Pumps, Trunk Lines, by Province, as at December 31, 1981

Province	Pumping Stations			Prime Movers			Kilowatts	Pumps		Total
	Remote	Station Control	Total	Fuel	Electric	Other		Reciprocating Alternatives	Centrifugal	
	Number							Number		
Yukon	--	1	1	1	--	--	98	1	--	1
British Columbia	18	5	23	20	19	20	64 017	5	54	59
Alberta	70	52	122	8	357	14	247 622	147	232	379
Saskatchewan	28	9	37	10	132	--	189 395	38	104	142
Manitoba	10	1	11	--	62	--	103 423	--	62	62
ONTARIO	35	1	36	36	62	--	103 365	--	98	98
Quebec	4	1	5	--	16	--	14 520	--	16	16
CANADA	165	70	235	75	648	34	722 40	191	566	757

SOURCE: OIL PIPE LINE TRANSPORT 1981, Catalogue 55-201 Annual, Statistics Canada, Ottawa, January, 1983.



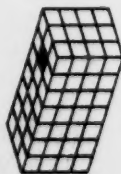


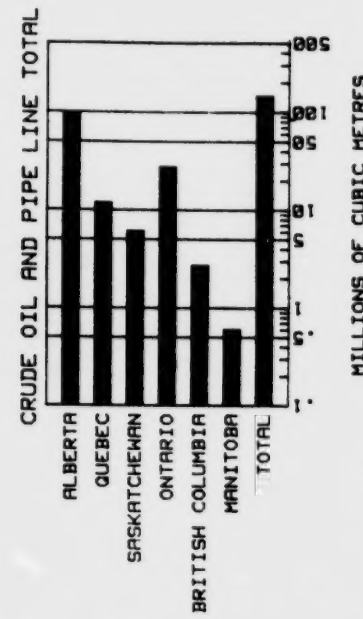
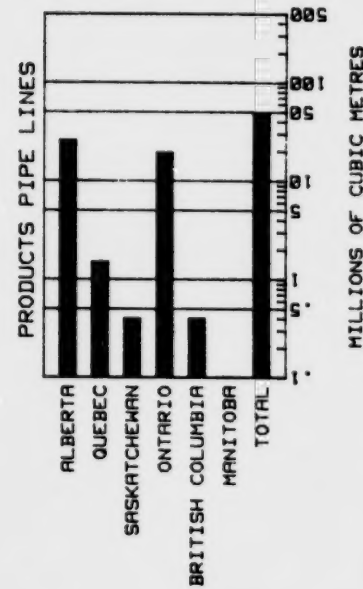
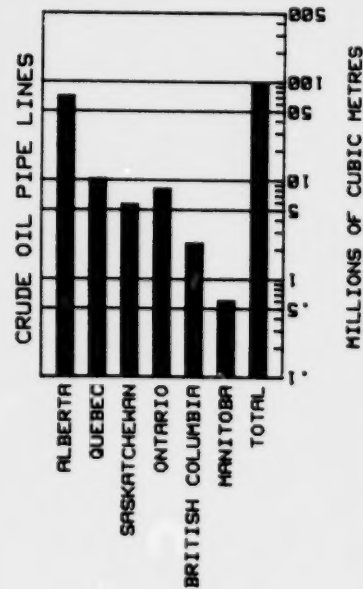
Table and Figure PP 8 - A Summary of the Provincial Distribution of Receipts into Pipelines, 1981

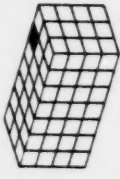
PROVINCE	CRUDE OIL PIPE LINES	PRODUCTS PIPE LINES	TOTAL
--- MILLIONS OF CUBIC METRES ---			
Alberta	71.1	25.8	96.9
Quebec	10.3	1.5	11.8
Saskatchewan	5.7	0.4	6.1
ONTARIO	8.2	19.5	27.7
British Columbia	2.3	0.4	2.7
Manitoba	0.6	--	0.6
TOTAL	98.2	47.6	145.8

NOTE: RECEIPTS -- Oil received by the pipe line company as gauged or metered. Receipts may be of several categories: receipts from fields which may be from batteries or well-heads; from processing plants (plants which process natural gas and recover liquid hydrocarbons); imports metered at the border; receipts from refineries.

CRUDE OIL -- A naturally occurring liquid hydrocarbon.

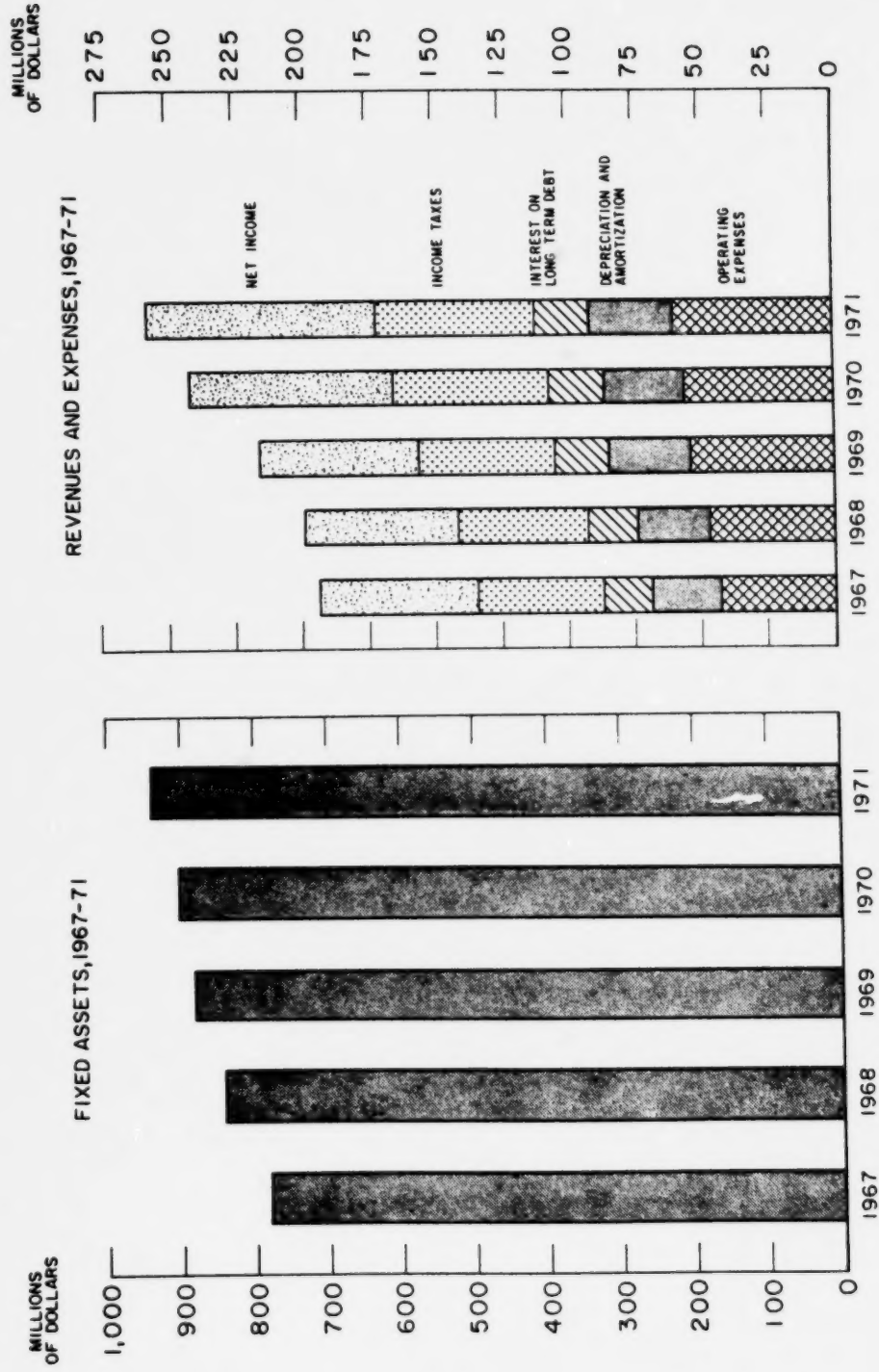
SOURCE: OIL PIPE LINE TRANSPORT 1981, Catalogue 55-201 Annual, Statistics Canada, Ottawa, Ontario, January 1983.





Pipeline

Figure PF 1 — Principal Financial Statistics, Fixed Assets and Revenues and Expenses, 1967-1971



SOURCE: OIL PIPE LINE TRANSPORT, 1971, Catalogue 55-201 Annual, Statistics Canada, Ottawa, Ontario, May 1973, p. 9.

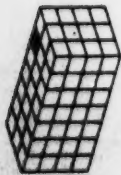
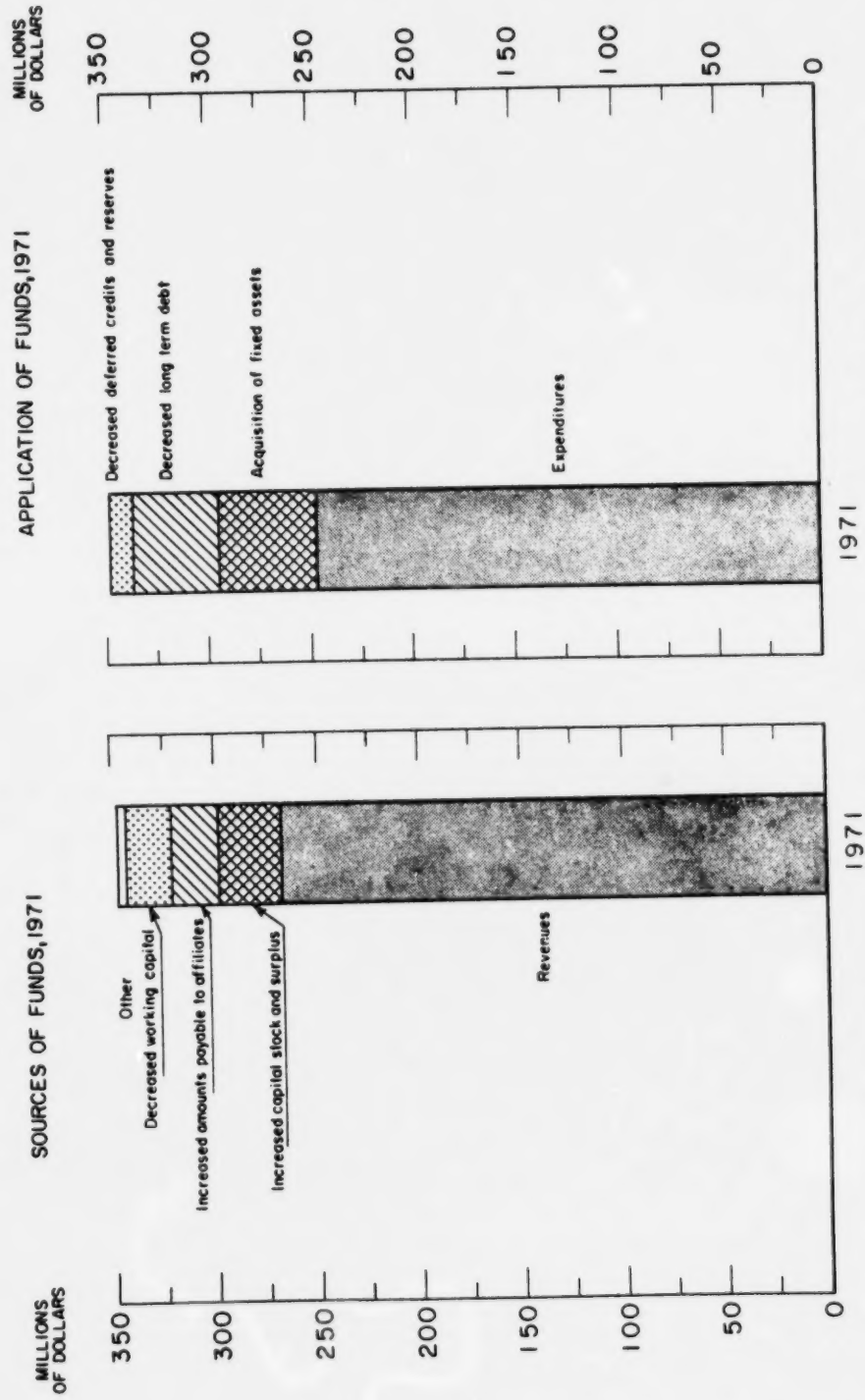
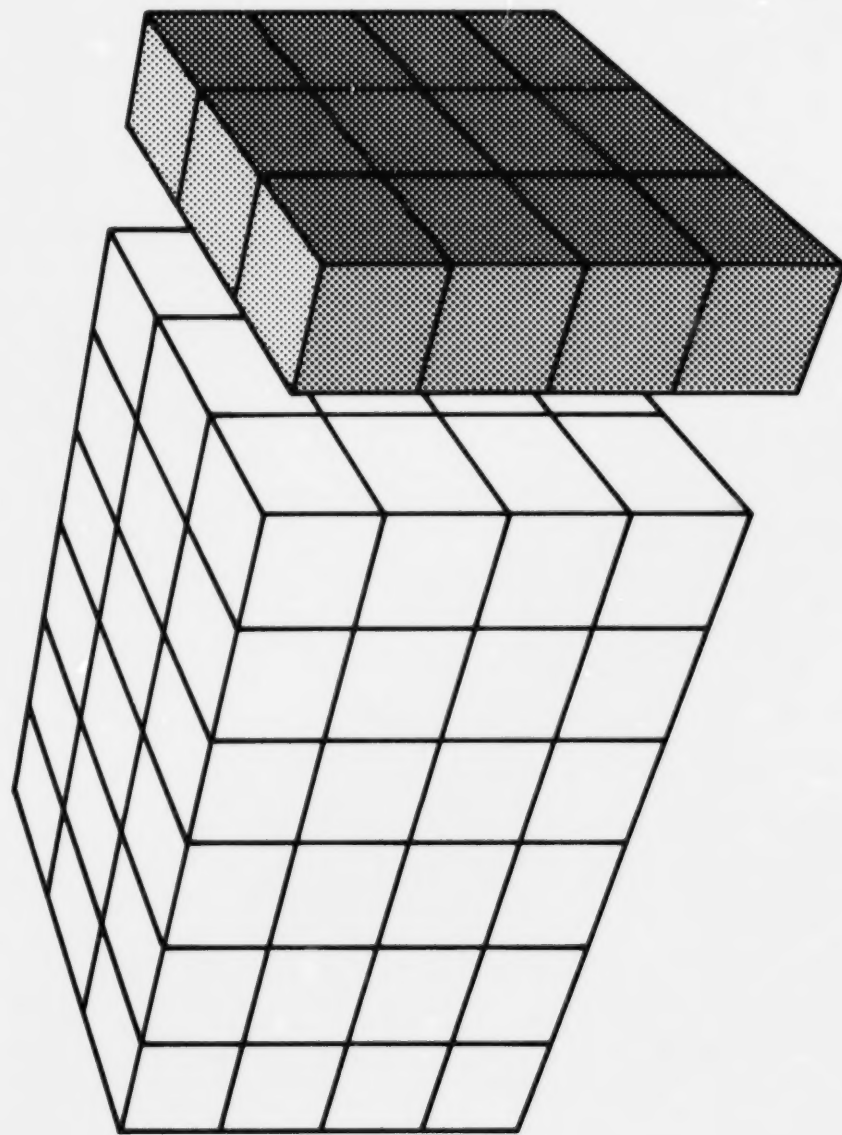


Figure PF 2 — Principal Financial Statistics, Sources of Funds and Application of Funds, 1971



SOURCE: OIL PIPE LINE TRANSPORT, 1971, Catalogue 55-201 Annual, Statistics Canada, Ottawa, Ontario, May 1973, p.9.

Transportation General



7. Transportation General

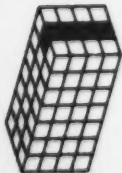
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General

Table and Figure GP 1 - Annual Passenger-Kilometres per Capita, by Mode, by Country, 1960-1977

COUNTRY	MODE	1960	1970	1973	1977
Canada	CAR	6 254	8 498	9 801	11 113
	BUS	500	495	660	742
	RAIL	205	171	116	127
	AIR	240	719	982	1 170
	TOTAL	7 199	9 883	11 559	13 152
United States of America	CAR	9 429	12 744	14 268	15 247
	BUS	784	786	765	876
	RAIL	190	84	71	76
	AIR	346	1 027	1 237	1 434
	TOTAL	10 749	14 641	16 341	17 633
Australia	CAR	3 883	8 078	9 107	10 269
	BUS	1 324	1 530	1 618	1 764
	RAIL	973	558	479	358
	AIR	293	738	1 087	1 368
	TOTAL	6 473	10 904	12 291	13 759
France	CAR	2 112	5 376	6 269	7 542
	BUS	362	384	501	473
	RAIL	698	807	858	976
	AIR	115	268	379	514
	TOTAL	3 287	6 835	8 007	9 505
West Germany	CAR	2 188	6 158	6 890	7 897
	BUS	586	858	925	912
	RAIL	717	639	642	583
	AIR	24	146	171	259
	TOTAL	3 515	7 801	8 628	9 651
Italy	CAR	1 309	4 368	4 948	5 723
	BUS	478	596	771	978
	RAIL	624	650	662	738
	AIR	31	157	203	227
	TOTAL	2 442	5 771	6 584	6 666
Japan	CAR	1 832	2 339	3 724	4 928
	BUS	151	1 073	1 323	1 653
	RAIL	1 941	2 794	2 859	2 807
	AIR	11	145	238	343
	TOTAL	3 935	6 351	8 144	9 731
United Kingdom	CAR	2 722	5 460	5 934	6 544
	BUS	1 344	985	1 004	947
	RAIL	660	546	645	523
	AIR	139	340	520	637
	TOTAL	4 865	7 331	8 103	8 651

United States of America

Australia

France

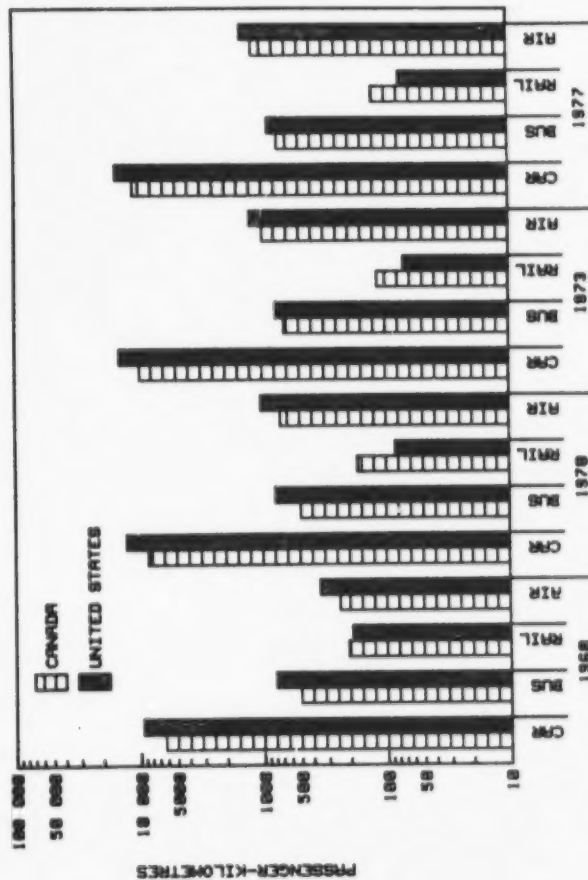
West Germany

Italy

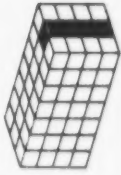
Japan

United Kingdom

SOURCE: PASSENGER AND GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON, 1960-1977, Transport Canada, Strategic Planning, Catalogue T22-53/1981, Ottawa, Ontario, May 1981.

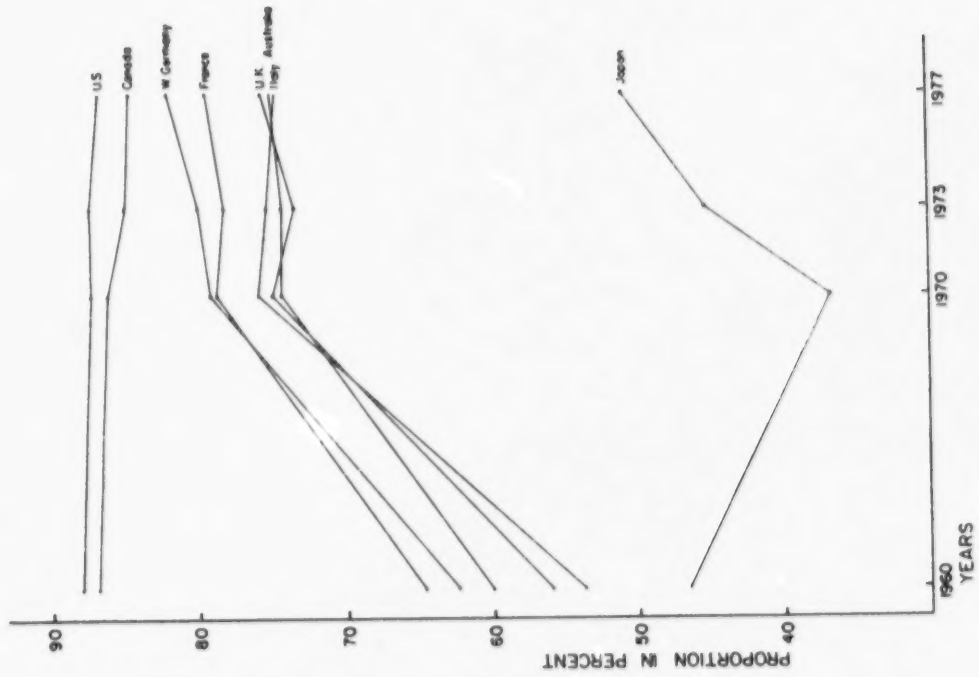


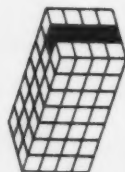
ANNUAL PASSENGER-KILOMETRES PER CAPITA BY MODE
CANADA AND UNITED STATES, 1960, 1970, 1973 AND 1977



General

Figure GP 1A — Proportion of Travel by Car, 1960–1977 (in Terms of Passenger–Kilometres)



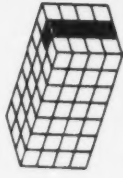


General

Table GP 2 - Distribution of Annual Passenger-Kilometres, by Mode, by Country, in Percentages, 1960-1977

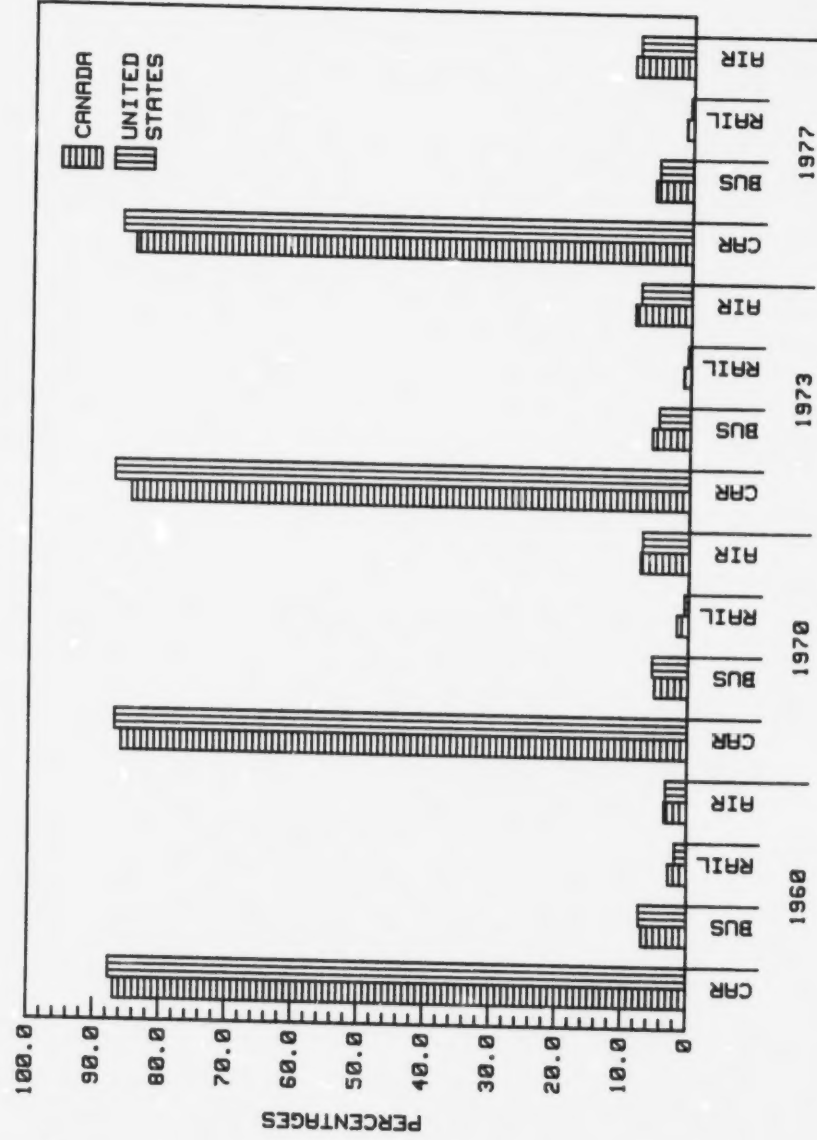
COUNTRY	MODE	1960	1970	1973	1977
Canada	CAR	86.9	86.0	84.8	84.5
	BUS	6.9	5.0	5.7	5.6
	RAIL	2.8	1.7	1.0	1.0
	AIR	3.4	7.3	8.5	8.9
	TOTAL	100.0	100.0	100.0	100.0
United States of America	CAR	87.7	87.0	87.3	86.5
	BUS	7.3	5.4	4.7	5.0
	RAIL	1.8	.6	.4	.4
	AIR	3.2	7.0	7.6	8.1
	TOTAL	100.0	100.0	100.0	100.0
Australia	CAR	60.0	74.1	74.1	74.7
	BUS	20.5	14.0	13.2	12.8
	RAIL	15.0	5.1	3.9	2.6
	AIR	4.5	6.8	8.8	9.9
	TOTAL	100.0	100.0	100.0	100.0
France	CAR	64.3	78.7	78.3	79.3
	BUS	11.0	5.6	6.3	5.0
	RAIL	21.2	11.8	10.7	10.3
	AIR	3.5	3.9	4.7	5.4
	TOTAL	100.0	100.0	100.0	100.0
West Germany	CAR	62.2	79.0	79.8	81.8
	BUS	16.7	11.0	10.7	9.5
	RAIL	20.4	8.2	7.4	6.0
	AIR	.7	1.8	2.1	2.7
	TOTAL	100.0	100.0	100.0	100.0
Italy	CAR	53.7	75.7	75.4	74.6
	BUS	19.6	10.3	11.7	12.8
	RAIL	25.6	11.3	10.1	9.6
	AIR	1.1	2.7	3.0	3.0
	TOTAL	100.0	100.0	100.0	100.0
Japan	CAR	46.5	36.8	45.7	59.7
	BUS	3.8	16.9	16.2	17.0
	RAIL	25.6	11.3	10.1	9.6
	AIR	1.1	2.7	3.0	3.0
	TOTAL	100.0	100.0	100.0	100.0
United Kingdom	CAR	55.9	74.8	73.2	75.6
	BUS	27.6	13.4	12.4	10.9
	RAIL	13.6	7.4	8.0	6.1
	AIR	2.9	4.6	6.4	7.4
	TOTAL	100.0	100.0	100.0	100.0
Union of Soviet Socialist Republics	CAR	9.8	9.4	9.3	9.2
	BUS	23.7	33.1	35.5	39.5
	RAIL	66.5	44.4	41.4	36.8
	AIR	N/A	13.1	13.8	14.5
	TOTAL	100.0	100.0	100.0	100.0

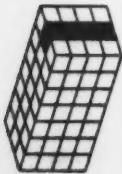
SOURCE: PASSENGER AND GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON, 1960-1977, Transport Canada, Strategic Planning, Catalogue T22-53/1981, Ottawa, Ontario, May 1981.



General

Figure GP 2 - Distribution of Annual Passenger-Kilometres, by Mode, United States and Canada, 1960, 1970, 1973 and 1977

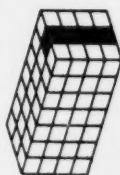




General

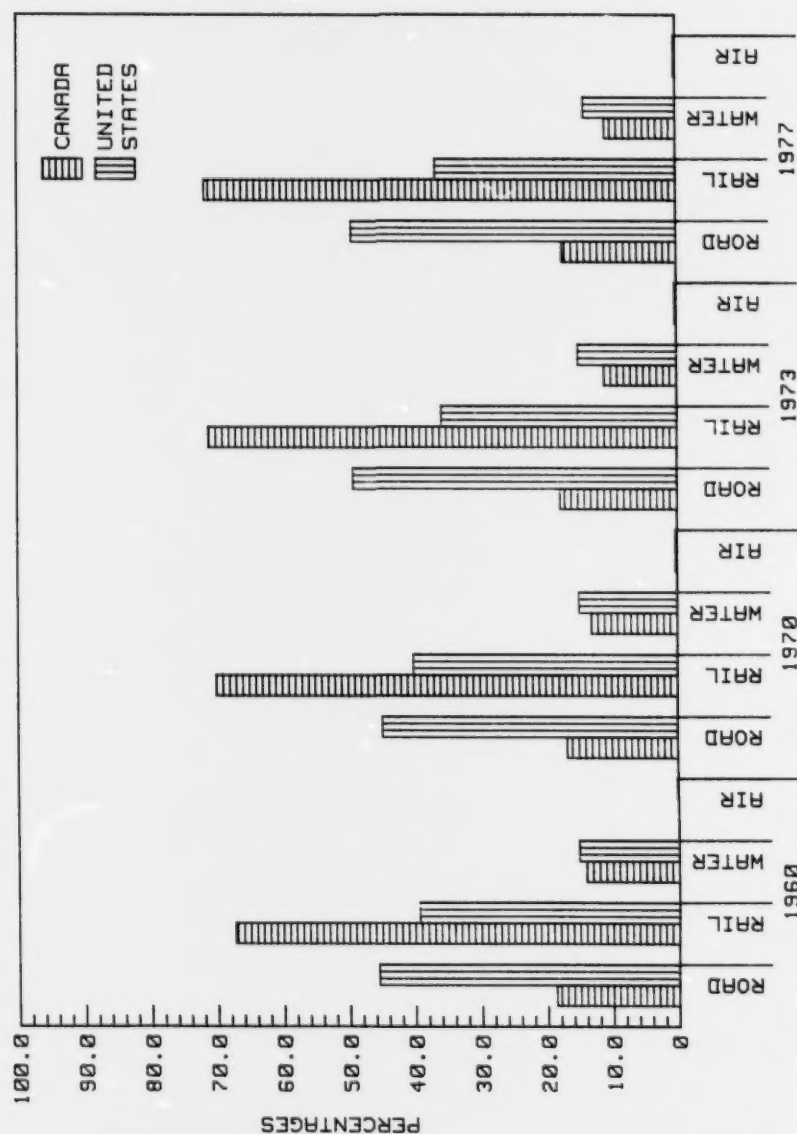
Table GP 3 — Distribution of Annual Tonne-Kilometres, by Mode, by Country, in Percentages, 1960-1977

COUNTRY	MODE	1960	1970	1973	1977	COUNTRY	MODE	1960	1970	1973	1977
Canada	ROAD	18.7	16.8	17.7	17.4	Italy	ROAD	68.2	74.2	76.3	76.0
	RAIL	67.3	70.0	71.1	71.6		RAIL	31.1	24.2	22.7	22.9
	WATER	14.0	13.0	11.0	10.8		WATER	0.7	0.5	0.5	0.5
	AIR	0	0.2	0.2	0.2		AIR	0	0.4	0.5	0.6
	TOTAL	100.0	100.0	100.0	100.0		TOTAL	100.0	100.0	100.0	100.0
United States of America	ROAD	45.5	44.8	49.1	49.3	Japan	ROAD	27.9	39.8	41.5	36.2
	RAIL	39.3	40.1	35.7	36.5		RAIL	38.6	18.4	17.4	10.9
	WATER	15.1	14.9	15.0	14.0		WATER	33.5	41.7	40.9	52.6
	AIR	0.1	0.2	0.2	0.2		AIR	0	0.1	0.2	0.3
	TOTAL	100.0	100.0	100.0	100.0		TOTAL	100.0	100.0	100.0	100.0
Australia	ROAD	31.7	15.8	13.8	14.9	United Kingdom	ROAD	63.4	77.1	77.3	81.4
	RAIL	28.6	31.2	34.2	33.0		RAIL	36.0	22.3	21.9	16.6
	WATER	39.7	52.9	51.8	51.9		WATER	0.4	0.1	0.1	0.1
	AIR	0	0.1	0.2	0.2		AIR	0.2	0.5	0.7	1.9
	TOTAL	100.0	100.0	100.0	100.0		TOTAL	100.0	100.0	100.0	100.0
France	CAR	31.1	43.5	50.4	58.0	Union of Soviet Socialist Republics	ROAD	5.8	7.6	8.3	9.5
	RAIL	57.8	46.9	41.5	35.3		RAIL	88.3	86.3	86.2	84.6
	WATER	11.0	9.2	7.7	5.9		WATER	5.9	6.1	5.5	5.9
	AIR	0.1	0.3	0.4	0.8		AIR	0	0	0	0
	TOTAL	100.0	100.0	100.0	100.0		TOTAL	100.0	100.0	100.0	100.0
West Germany	ROAD	26.6	39.2	46.1	49.3	SOURCE: PASSENGER AND GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON, 1960-1977, Transport Canada, Strategic Planning, Catalogue T22-53/1981, Ottawa, Ontario, May 1981.					
	RAIL	42.7	36.3	31.0	26.3						
	WATER	30.7	24.3	22.5	23.8						
	AIR	0	0.2	0.4	0.6						
	TOTAL	100.0	100.0	100.0	100.0						



General

Figure GP 3 - Distribution of Annual Tonne-Kilometres, by Mode, United States and Canada, in Percentages, 1960, 1970, 1973 and 1977



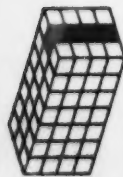


Table GP 4 - Tonne-Kilometres per Dollar (U.S. 1976) of Supply* of Goods and Services, by Mode, by Country, 1970 and 1977

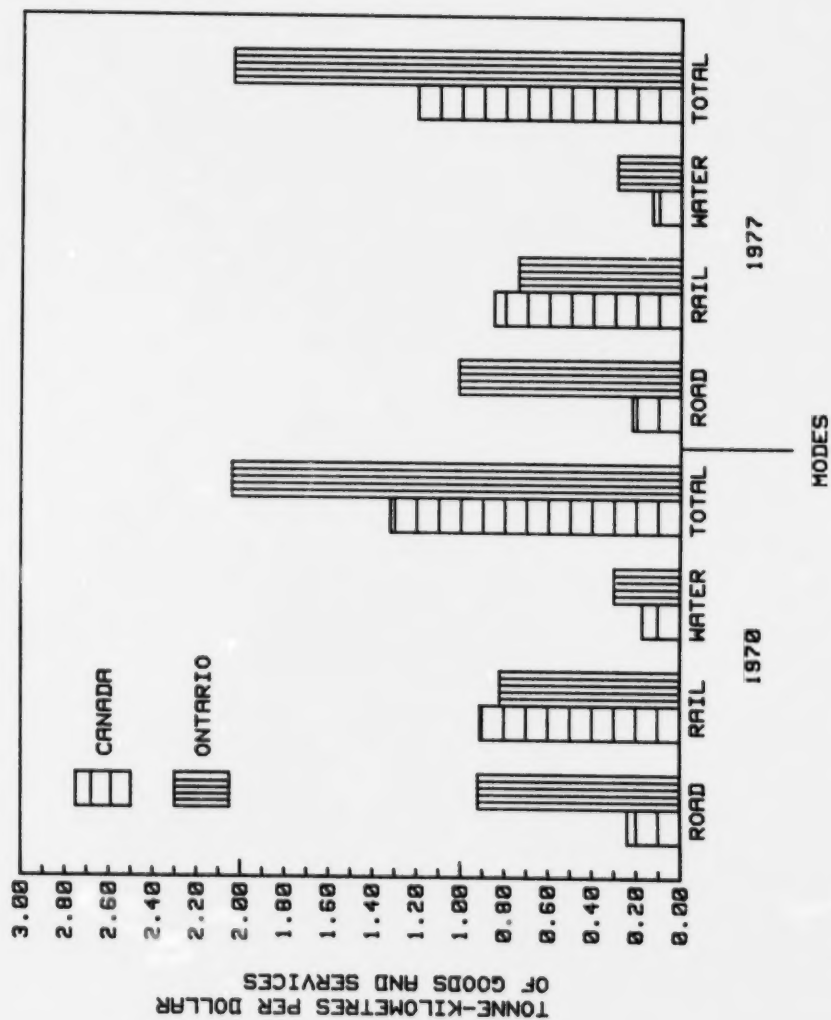
YEAR	MODE**	CANADA	U.S.A.	AUSTRALIA	FRANCE	W. GERMANY	ITALY	JAPAN	U.K.	U.S.S.R.
1970	Road	.24	.92	.21	.21	.17	.33	.32	.34	.28
	Rail	.91	.82	.41	.21	.16	.11	.14	.10	3.17
	Water	.17	.30	.72	.04	.10	0	.32	0	.22
	TOTAL	1.32	2.04	1.34	.46	.43	.44	.78	.44	3.67
1977	Road	.22	1.01	.25	.25	.19	.27	.21	.34	.36
	Rail	.85	.74	.55	.16	.10	.08	.06	.07	3.23
	Water	.13	.29	.86	.03	.09	0	.30	0	.22
	TOTAL	1.20	2.04	1.66	.44	.38	.35	.57	.41	3.81

NOTE: *GNP + Total Imports

**Figures for air are negligible.

SOURCE: Calculations based on GNP and Import data from U.S. Statistical Abstract, 1979 and earlier issues, as shown in PASSENGER AND GOODS TRANSPORTATION, AN INTERNATIONAL COMPARISON, 1960-1977, Transport Canada, Strategic Planning, Catalogue T22-53/1981, Ottawa, Ontario, May 1981.

Figure GP 4 - Tonne-Kilometres per Dollar (U.S. 1976) of Supply of Goods and Services, by Mode, 1970 and 1977



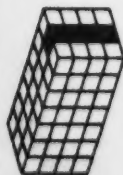


Table GP 5 - Transportation in Canada, Annual Average Index Numbers of Employment, 1972-1976

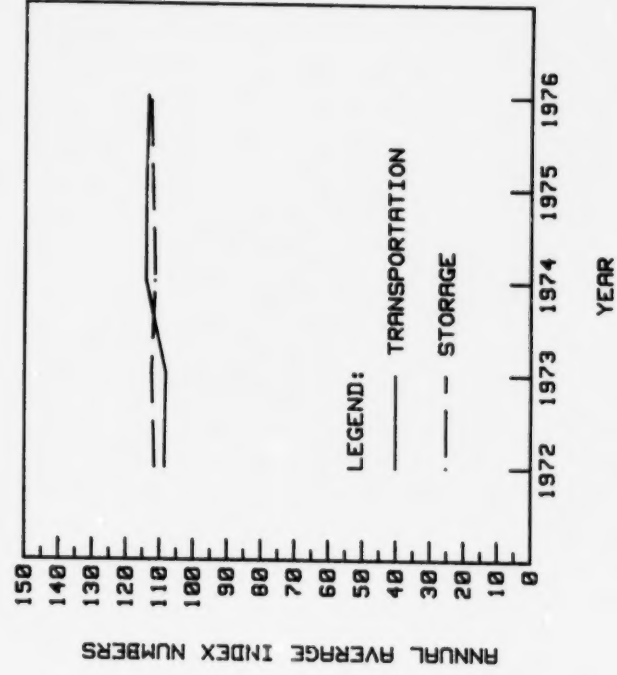
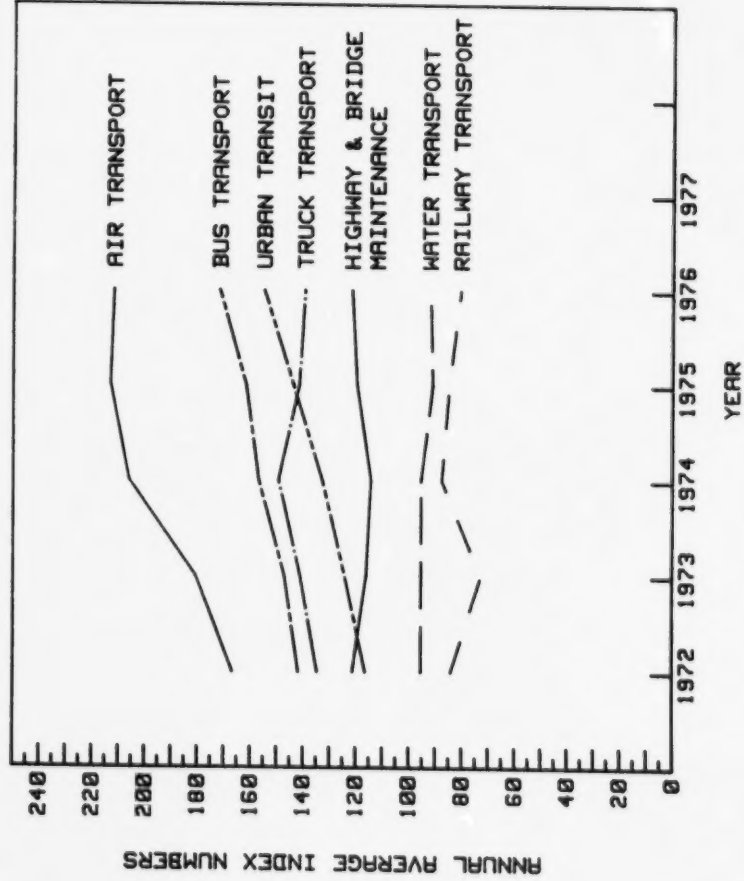
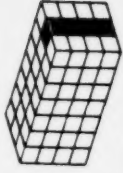
INDUSTRY	----- Annual Average Index Numbers* of Employment -----				
	1972	1973	1974	1975	1976
TRANSPORTATION					
1. Air transport and services	108.5	108.1	114.1	114.1	113.5
2. Water transport and services	166.8	180.7	206.0	213.1	211.8
3. Railway transport	95.3	95.3	95.4	91.1	92.0
4. Truck transport	84.1	72.6	87.6	84.9	80.3
5. Bus transport, interurban & rural	134.6	141.1	149.3	141.5	139.3
6. Urban transit	141.8	147.0	156.8	161.7	171.7
7. Highway and bridge maintenance	116.4	124.2	132.8	143.8	154.9
	121.1	116.0	114.4	119.7	121.6
STORAGE					
1. Grain elevators	111.6	112.4	111.4	112.2	112.8
2. Other storage and warehousing	102.9	99.3	96.2	100.6	103.0
	135.0	148.4	153.6	144.9	140.6

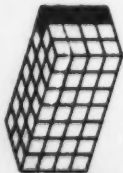
* NOTE: Indexes refer to the last week of each month (1961 = 100). Index numbers are calculated by Statistics Canada (see publication entitled "Employment, Earnings and Hours, Catalogue 72-002. Monthly) by dividing the given month's employment (or payroll) by the monthly-average of the total base year employment (or payroll). The given employment consists of all employment reported by establishments that meet the Stat. Can. size criteria in the given period. Base year employment consists of the employment of establishments that had 20 or more employees in any month of 1961.

SOURCE: CANADA YEAR BOOK 1978-79. An annual review of economic, social and political developments in Canada. Catalogue CS11-202/1978. Published by authority of the Minister of Industry, Trade and Commerce, Ottawa, December 1978, p. 367.

Figure GP 5 - Transportation in Canada - Annual Index Numbers of Employment, 1972 - 1976

General





General

Table GF 1 - Ontario Municipal Revenue Fund Spending by Function, 1977-1980

	1977 \$ Million	1978 \$ Million	1979 \$ Million	1980 \$ Million	1980/77 % Change	1980/79 % Change
GENERAL GOVERNMENT	364	430	457	546	49.4	19.4
PROTECTION						
Police	373	408	445	502	34.5	12.8
Fire	219	236	260	293	34.9	12.6
Conservation	45	54	53	59	31.1	11.3
Other	44	48	54	61	40.0	12.8
Subtotal	681	746	812	914	34.2	12.6
TRANSPORTATION						
Roads	607	626	664	708	17.1	6.9
Transit	348	381	399	451	29.8	13.1
Other Transportation*	59	74	79	90	34.8	14.4
Subtotal	1014	1084	1142	1249	23.1	9.6
ENVIRONMENT						
Sewer	240	252	298	328	37.7	10.2
Water	212	234	253	275	28.4	8.7
Solid Waste	111	142	143	170	53.7	18.8
Subtotal	563	628	694	773	37.3	11.4
HEALTH & SOCIAL SERVICES						
Public Health	84	84	101	111	38.0	12.5
Other Health	37	47	49	53	42.2	8.0
General Assistance	205	237	260	300	46.8	15.7
Elderly	189	212	236	266	41.4	13.4
Day Nurseries	36	40	44	52	45.1	17.5
Children's Aid	101	114	135	144	42.6	6.7
Subtotal	652	732	825	925	41.9	12.1
CULTURE AND RECREATION						
Parks and Recreation	343	332	353	393	28.7	11.5
Libraries	103	154	161	182	39.7	12.7
Subtotal	446	486	514	575	30.9	11.9
PLANNING AND DEVELOPMENT**						
	107	115	128	152	43.5	9.4
TOTAL	3827	4221	4572	5133	34.1	12.5

NOTE:

*"Other Transportation" includes parking, street lighting, municipal airports and other miscellaneous (harbour commissions, etc.). Winter works (snow removal, etc.) are included under Roads.

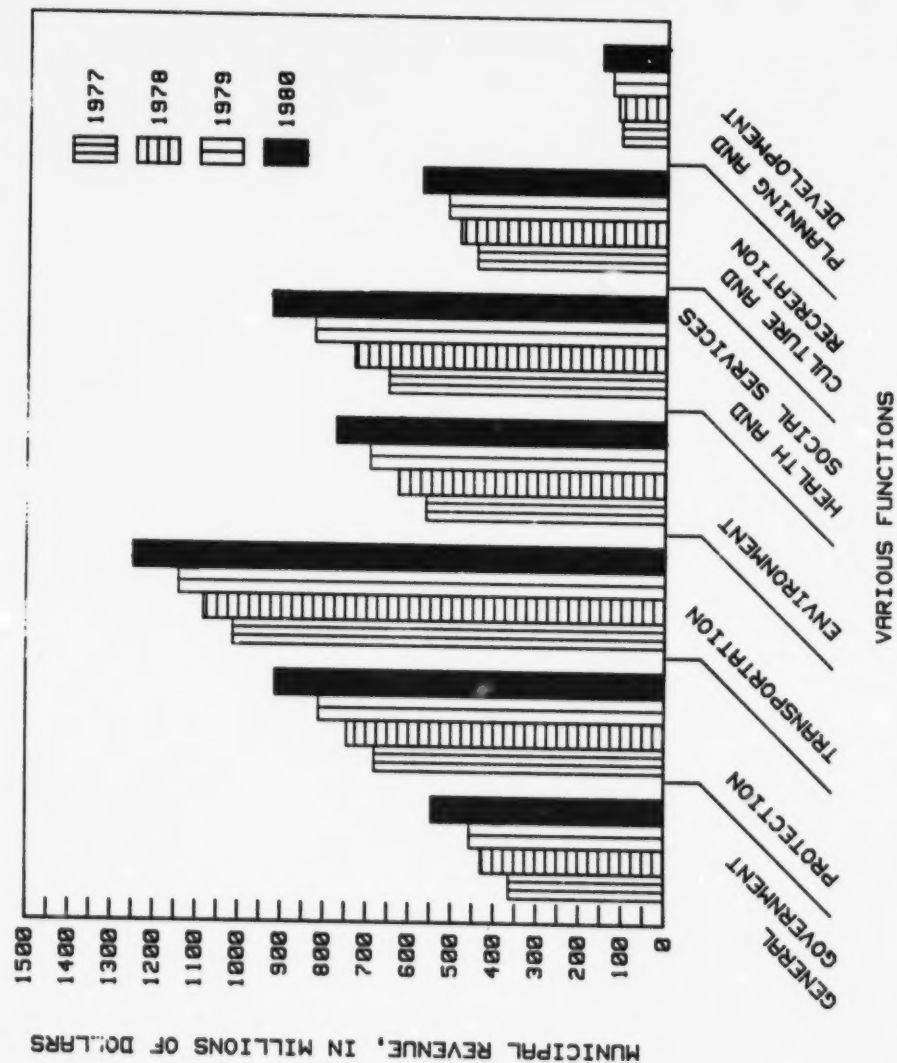
**Planning and development services carried on by municipalities include planning and zoning operations, industrial parks and land assembly, industrial development, commissions, residential development including public housing, reforestation, grants to agricultural societies, tile drainage and projects carried out under the Shortline Property Assistance Act.

SOURCE: LOCAL GOVERNMENT FINANCE IN ONTARIO 1980, Municipal Finance Branch, Ministry of Treasury and Economics, Queen's Park, Toronto, Ontario, p. 12.



General

Figure GF 1 - Ontario Municipal Revenue Fund Spending by Function, 1977-1980





General

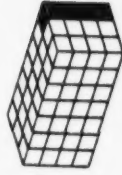
Table GF 2A - Ontario Municipal Revenue Fund Spending per Household, 1978

FUNCTION	Metro Toronto		Regions		Cities South		Cities North		Rural South		Rural North		PROVINCE	
	\$		\$		\$		\$		\$		\$		\$	
General Government	167		150		103		110		100		158		137	
Protection	356		240		258		292		82		102		238	
TRANSPORTATION	494		317		253		343		279		291		346	
Environment	240		215		233		212		102		168		200	
Health and Social Services	306		218		187		364		185		233		235	
Culture and Recreation	219		151		144		205		77		149		155	
Planning and Development	30		40		30		53		39		39		37	
TOTAL	1812		1331		1207		1579		862		1139		1347	

NOTE: Classification by Types of Municipality:

1. Metro-Toronto
Metropolitan Toronto and its six constituent municipalities.
2. Regional Governments
All upper tier and lower tier municipalities in:
Regions of Durham, Halidmand-Norfolk, Halton, Hamilton-Wentworth, Niagara, Ottawa-Carleton,
Peel, Sudbury, Waterloo and York.
District of Muskoka.
Restructured County of Oxford.
3. Cities
All cities outside restructured two tier areas:
Barrie, Belleville, Brantford, Brockville, Chatham, Cornwall, Guelph, Kingston, London, North
Bay, Orillia, Owen Sound, Pembroke, Peterborough, Sarnia, Sault Ste. Marie, Stratford,
St. Thomas, Thunder Bay, Timmins and Windsor.
4. Rural South
Separated towns, all counties (except Oxford), and all municipalities which support these
counties.
5. Rural North
All municipalities in northern Ontario except municipalities in categories 2 and 3 above.

SOURCE: LOCAL GOVERNMENT FINANCE IN ONTARIO 1978, Municipal Finance Branch, Ministry of Treasury and
Economics, Queen's Park, Toronto, Ontario, p. 13.



General

Figure GF 2A - Ontario Municipal Revenue Fund Spending per Household, 1978

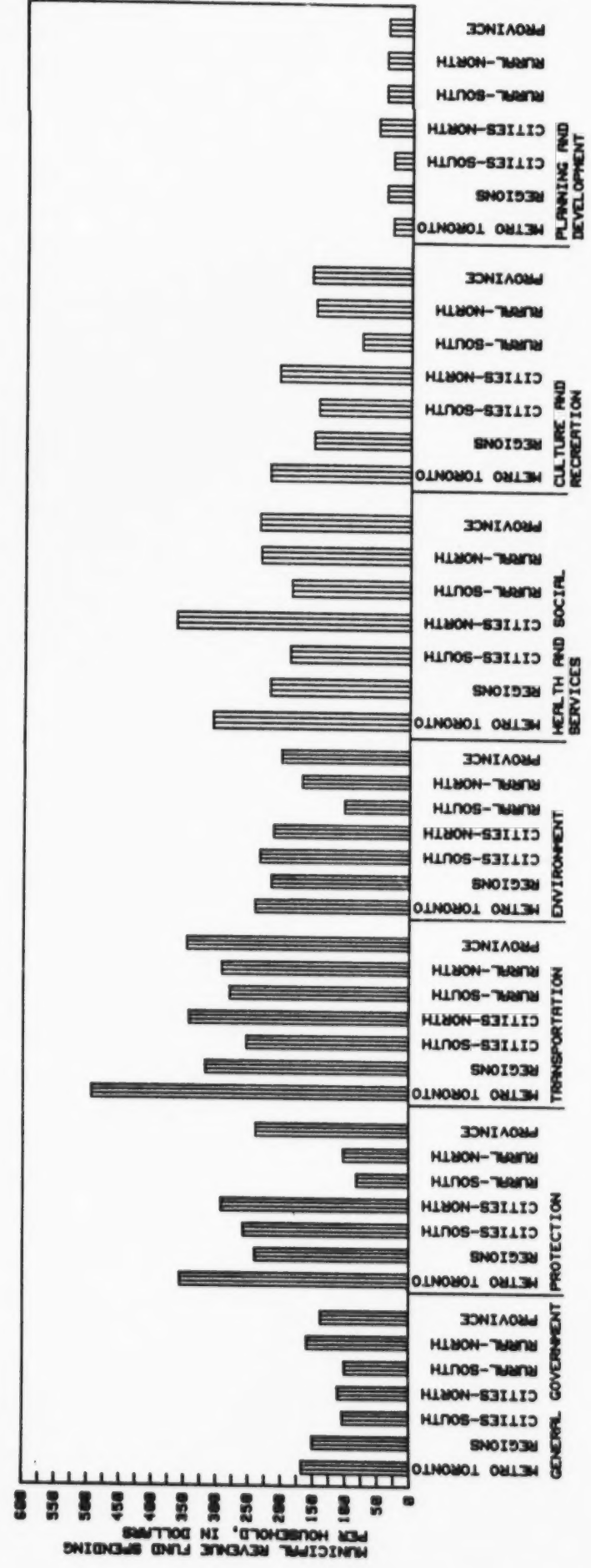




Table GF 2B — Ontario Municipal Revenue Fund Spending per Household, 1980

FUNCTION	Metro		Regions		Cities		Cities		Rural		PROVINCE
	Toronto		\$		\$		\$		\$		
	\$		\$		\$		\$		\$		
General Government	187	196	129	128	121	184	168				
	425	285	301	381	104	127	282				
TRANSPORTATION	549	351	279	396	310	334	385				
Environment	301	255	255	260	118	188	238				
	383	263	218	426	219	283	285				
Culture and Recreation	251	172	172	208	91	167	177				
Planning and Development	41	48	44	72	51	55	47				
TOTAL	2137	1570	1398	1870	1014	1338	1581				

NOTE:

Classification by Types of Municipality:

1. Metro-Toronto
Metropolitan Toronto and its six constituent municipalities.

2. Regional Governments

All upper tier and lower tier municipalities in:

Regions of Durham, Haliburton-Norfolk, Halton, Hamilton-Wentworth, Niagara, Ottawa-Carleton, Peel, Sudbury, Waterloo and York.

District of Muskoka.

Restructured County of Oxford.

3. Cities

All cities outside restructured two tier areas:

Barrie, Belleville, Brantford, Brockville, Chatham, Cornwall, Guelph, Kingston, London, North Bay, Orillia, Owen Sound, Pembroke, Peterborough, Sarnia, Sault Ste. Marie, Stratford, St. Thomas, Thunder Bay, Timmins and Windsor.

4. Rural South

Separated towns, all counties (except Oxford), and all municipalities which support these counties.

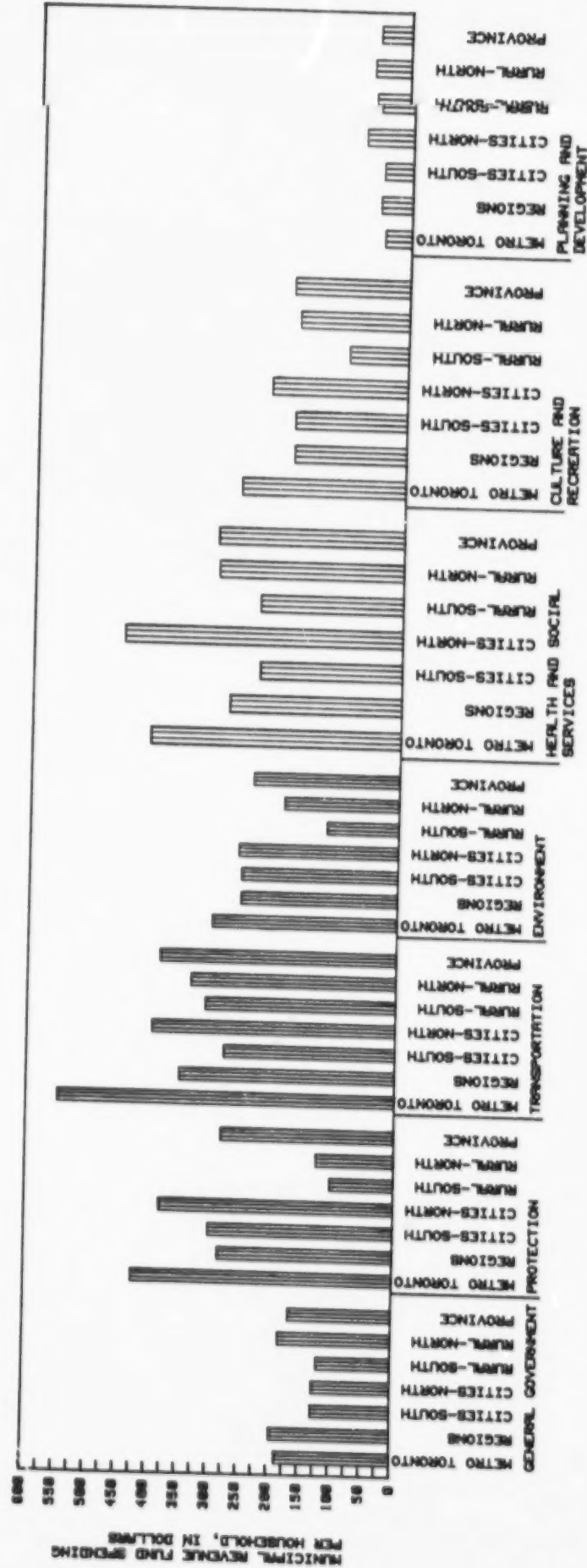
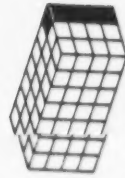
5. Rural North

All municipalities in northern Ontario except municipalities in categories 2 and 3 above.

SOURCE: LOCAL GOVERNMENT FINANCE IN ONTARIO 1980, Ministry of Municipal Affairs and Housing.

Figure GF 2B - Ontario Municipal Revenue Fund Spending per Household, 1980

General



VARIOUS FUNCTIONS



General

Table GF 2C — Ontario Municipal Revenue Fund Spending per Household, 1981

FUNCTION	Metro Toronto	Regions		Cities		Rural		PROVINCE
		\$	\$	South	North	South	North	
General Government	204	223	143	146	141	141	190	189
Protection	485	325	343	427	114	114	149	324
TRANSPORTATION	645	402	305	446	345	345	363	440
Environment	319	293	297	301	131	131	215	267
Health and Social Services	422	300	257	485*	261	261	372*	326
Culture and Recreation	287	193	176	243	97	97	190	198
Planning and Development	38	53	43	49	54	54	66	48
TOTAL	2400	1570	1567	2097	1146	1146	1537	1792

NOTE: *Includes expenditures of district health and welfare boards and district homes for the aged which also service the population living outside of municipally organized areas.

Classification by Types of Municipality:

1. Metro-Toronto

Metropolitan Toronto and its six constituent municipalities.

2. Regional Governments

All upper tier and lower tier municipalities in:

Regions of Durham, Haliburton-Norfolk, Halton, Hamilton-Wentworth, Niagara, Ottawa-Carleton, Peel, Sudbury, Waterloo and York.

District of Muskoka.

Restructured County of Oxford.

3. Cities

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4. Rural South

Separated towns, all counties (except Oxford), and all municipalities which support these counties.

5. Rural North

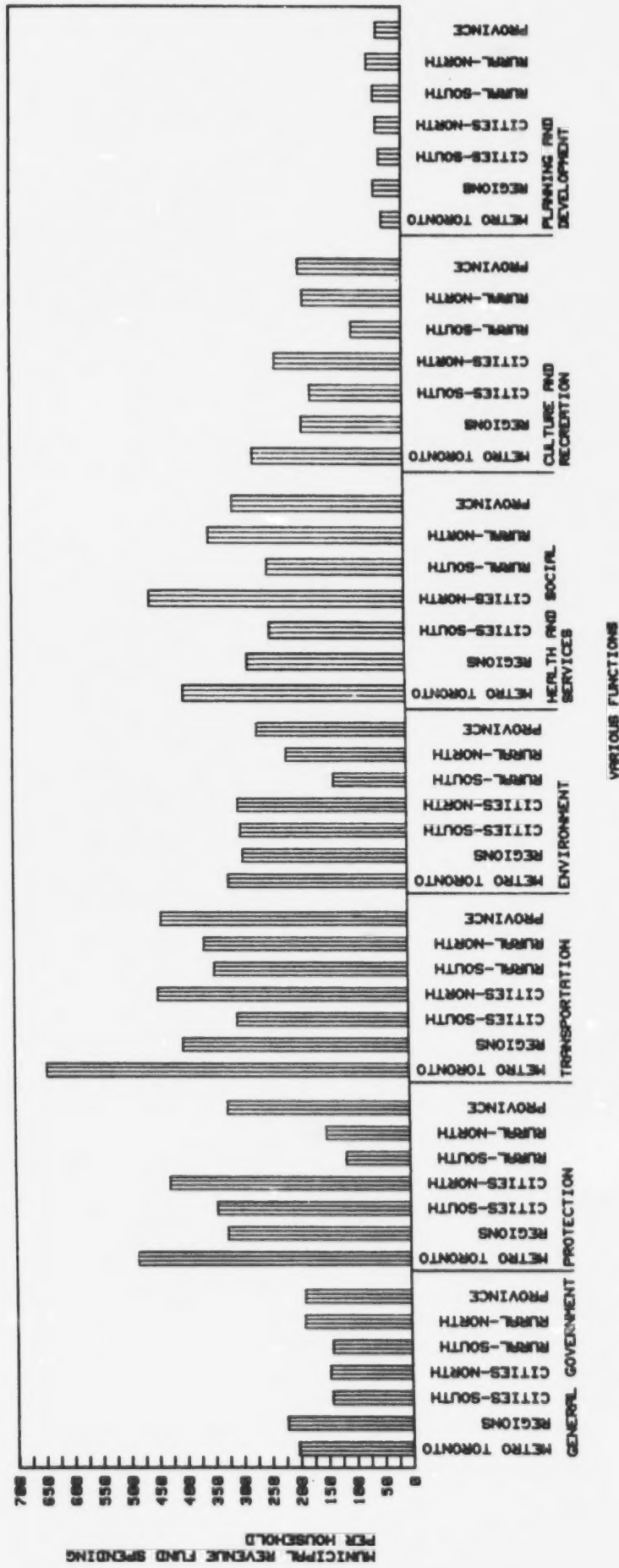
All municipalities in northern Ontario except municipalities in categories 2 and 3 above.

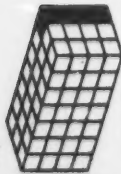
SOURCE: L.J. Close, Director, Municipal Finance Branch, Ministry of Municipal Affairs and Housing, August 30, 1983.



General

Figure GF 2C - Ontario Municipal Revenue Fund Spending per Household, 1981





General

Table GF 3 — Composition of Municipal Capital Fund Spending in Ontario, 1977–1981

FUNCTION	1977 \$	1978 \$	1979 \$	1980 \$	1981 \$
General Government	5.6	5.2	6.2	6.6	7.6
Protection	3.3	3.9	3.3	3.6	3.8
TRANSPORTATION					
Roads	27.4	28.4	29.0	32.1	32.7
Transit	11.2	7.1	5.7	5.4	6.8
Other	1.1	1.6	1.7	1.5	2.0
SUBTOTAL	39.7	37.2	36.4	39.1	41.5
ENVIRONMENTAL					
Sewer	15.7	16.6	17.5	15.5	16.9*
Water	10.0	9.3	8.6	7.2	7.8
Solid Waste & Other	1.9	3.5	3.4	3.8	0.8
SUBTOTAL	27.6	29.4	29.5	26.6	25.5
Health	0.9	1.4	0.6	1.4	1.3
Social Services	2.9	3.4	4.4	3.1	1.3
Culture and Recreation	12.9	11.5	10.8	10.3	9.1
Planning and Development	7.1	8.0	8.8	9.3	9.9
TOTAL	100.0	100.0	100.0	100.0	100.0

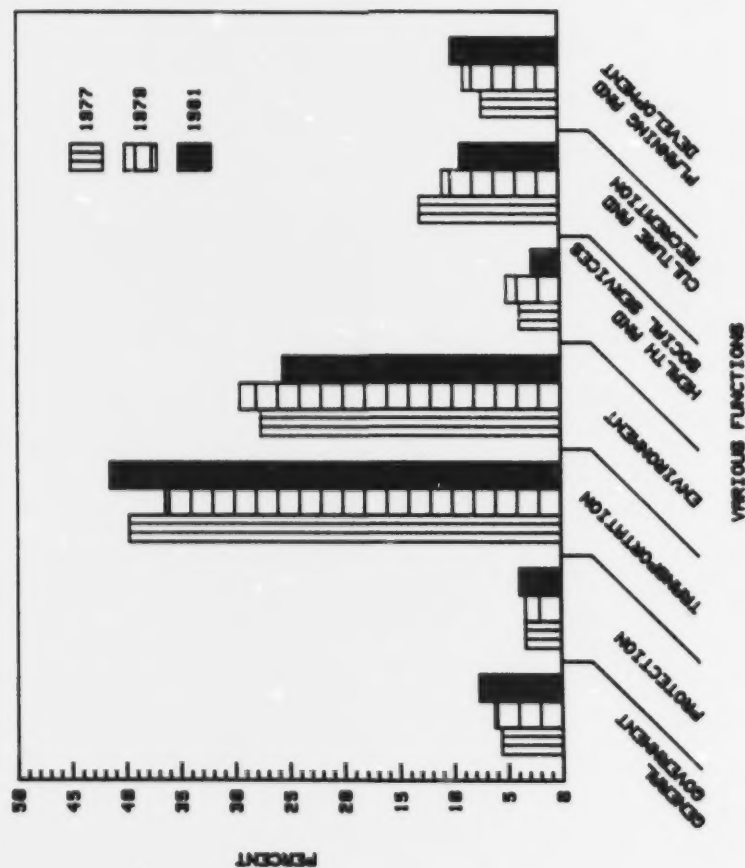
NOTE: *Includes pollution control. Prior years' publication reported this amount under Solid Waste.

SOURCE: L.J. Close, Director, Municipal Finance Branch, Ministry of Municipal Affairs and Housing, August 30, 1983.

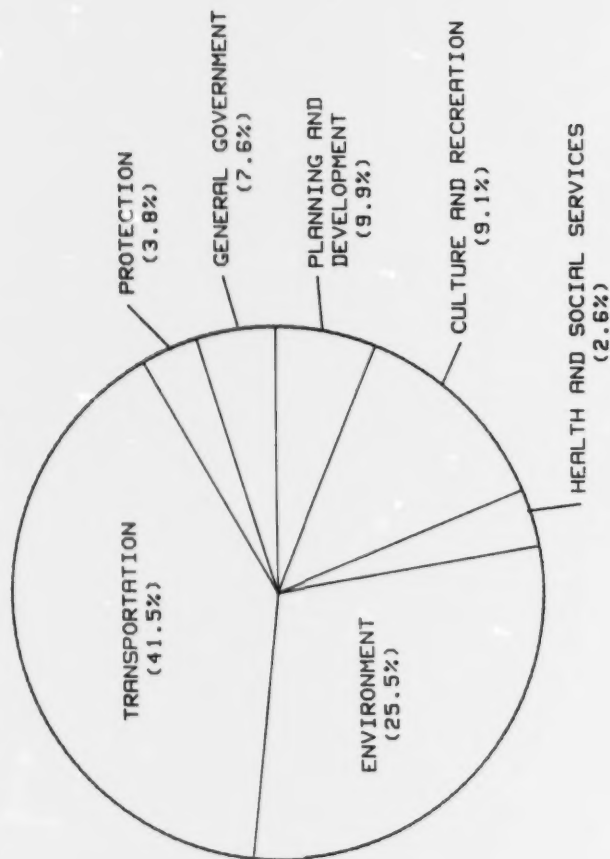


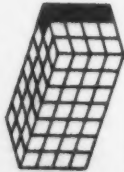
General

Figure GF 3 - Composition of Municipal Capital Fund Spending in Ontario, 1977, 1979 and 1981



COMPOSITION OF MUNICIPAL CAPITAL FUND SPENDING, IN ONTARIO, 1981





General

Table GF 4 - Municipal Revenue Fund Spending per Household on Transportation Other than Roads and Transit* in Ontario, in Dollars, 1975-1981

	1975	1977	1978	1980	1981
Metro Toronto	25	15	28	32	35
Regions	18	22	23	28	30
Cities South	24	29	32	35	36
Cities North	36	32	36	46	47
Rural South	7	10	11	14	15
Rural North	21	26	28	39	38
PROVINCE	20	19	24	28	30

NOTE:

*"Other Transportation" includes parking, street lighting, municipal airports and other miscellaneous (harbour communications, etc.). Winter works (snow removal, etc.) are included in roads.

Classification by Types of Municipality:

1. Metro-Toronto
Metropolitan Toronto and its six constituent municipalities.
2. Regional Governments
All upper tier and lower tier municipalities in:
Regions of Durham, Halidmand-Horfolk, Halton, Hamilton-Wentworth, Niagara, Ottawa-Carlton, Peel, Sudbury, Waterloo and York.
District of Muskoka.
Restructured County of Oxford.

3. Cities

All cities outside restructured two tier areas:
Barrie, Belleville, Brantford, Brockville, Chatham, Cornwall, Guelph, Kingston, London, North Bay, Orillia, Owen Sound, Pembroke, Peterborough, Sarnia, Sault Ste. Marie, Stratford, St. Thomas, Thunder Bay, Timmins and Windsor.

4. Rural South

Separated towns, all counties (except Oxford), and all municipalities which support these counties.

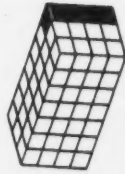
5. Rural North

All municipalities in northern Ontario except municipalities in categories 2 and 3 above.

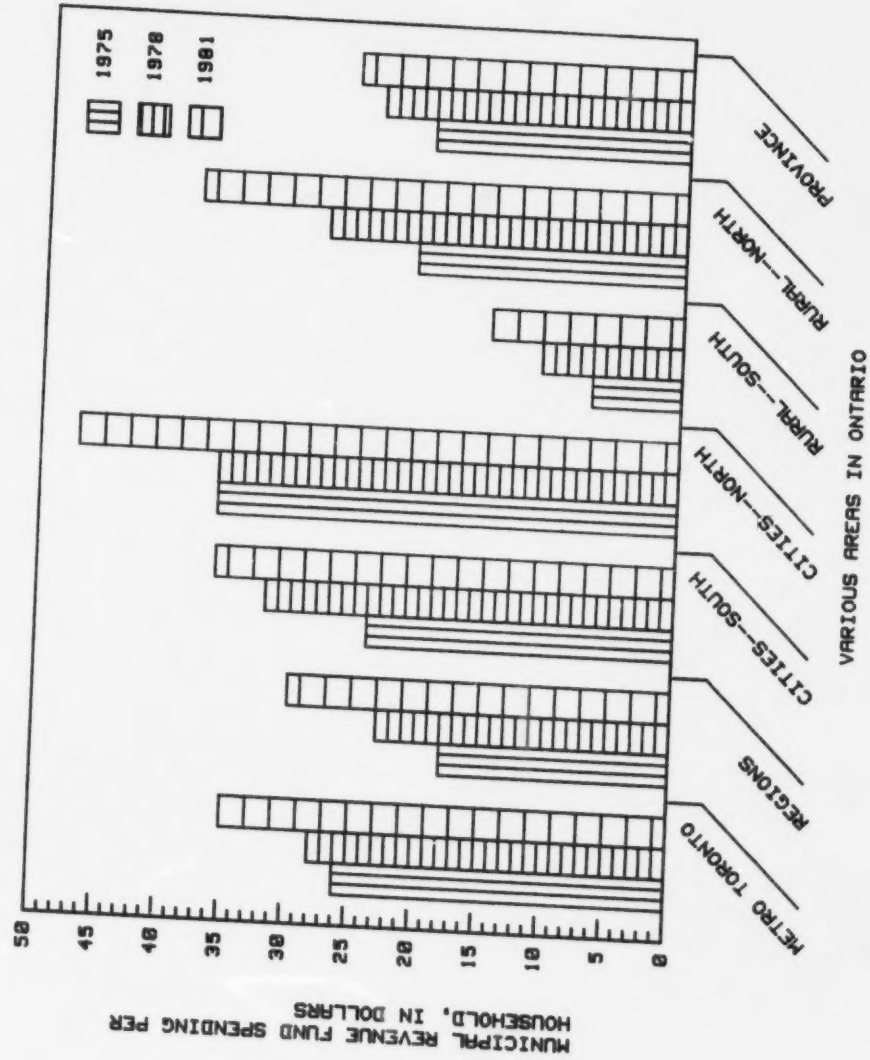
SOURCE:

1. LOCAL GOVERNMENT FINANCE IN ONTARIO 1978, Municipal Finance Branch, Ministry of Treasury and Economics, Queen's Park, Toronto, Ontario, p. 120.
2. L.J. Close, Director, Municipal Finance Branch, Ministry of Municipal Affairs and Housing, August 30, 1983.

Figure GF 4 — Municipal Revenue Fund Spending per Household on Transportation Other than Roads and Transit in Ontario, in Dollars, 1975, 1978 and 1981



General





General

Table GF 5 - Municipal Revenue Fund Spending per Household on Total Transportation in Ontario, in Dollars, 1975-1981

	1975	1977	1978	1980	1981
Metro Toronto	405	456	494	555	645
Regions	267	313	317	358	402
Cities South	199	235	253	285	304
Cities North	261	325	343	403	444
Rural South	243	276	279	314	344
Rural North	229	288	290	349	365
PROVINCE	289	332	346	391	439

NOTE:

Classification by Types of Municipality:

1. Metro-Toronto
Metropolitan Toronto and its six constituent municipalities.
2. Regional Governments
All upper tier and lower tier municipalities in:
Regions of Durham, Haldimand-Norfolk, Halton, Hamilton-Wentworth, Niagara, Ottawa-Carleton, Peel, Sudbury, Waterloo and York.
District of Muskoka.
Restructured County of Oxford.
3. Cities
All cities outside restructured two tier areas:
Barrie, Belleville, Brantford, Brockville, Chatham, Cornwall, Guelph, Kingston, London, North Bay, Orillia, Owen Sound, Pembroke, Peterborough, Sarnia, Sault Ste. Marie, Stratford, St. Thomas, Thunder Bay, Timmins and Windsor.
4. Rural South
Separated towns, all counties (except Oxford), and all municipalities which support these counties.
5. Rural North
All municipalities in northern Ontario except municipalities in categories 2 and 3 above.

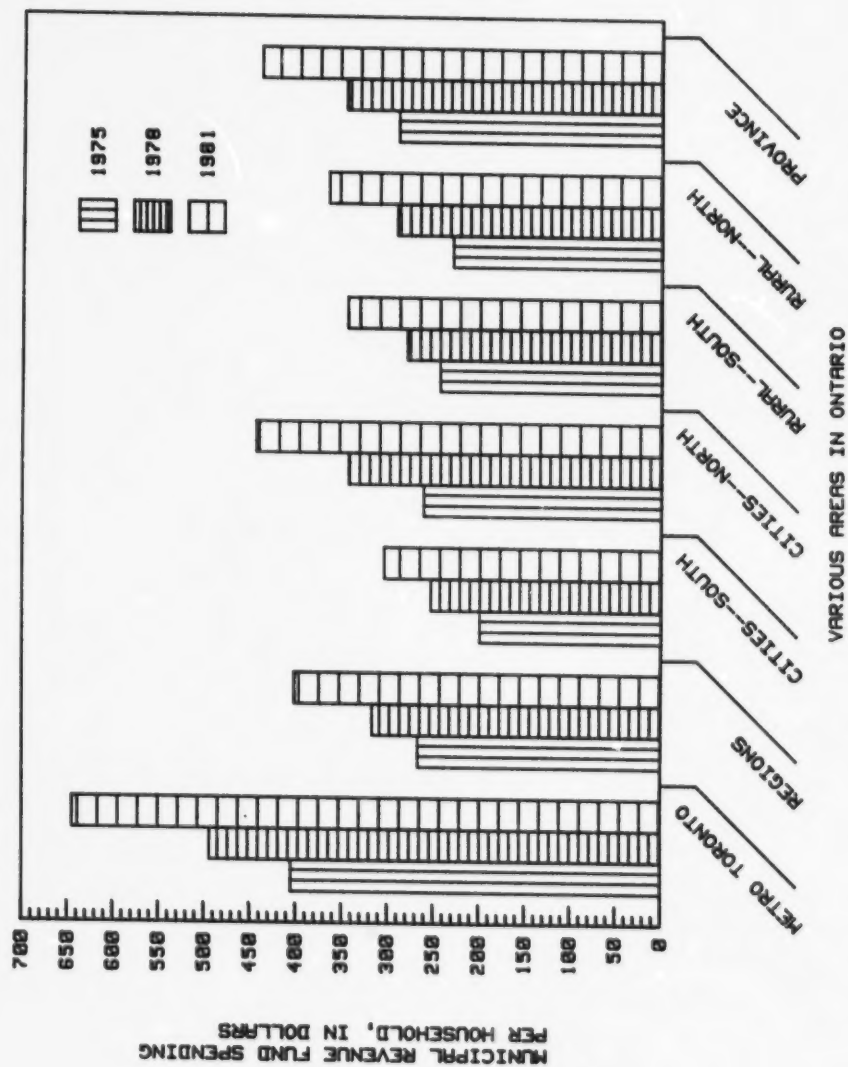
SOURCE:

1. LOCAL GOVERNMENT FINANCE IN ONTARIO 1978, Municipal Finance Branch, Ministry of Treasury and Economics, Queen's Park, Toronto, Ontario p. 120.
2. L.J. Close, Director, Municipal Finance Branch, Ministry of Municipal Affairs and Housing, August 30, 1983.



General

Figure GF 5 - Municipal Revenue Fund Spending per Household on Transportation (Total) in Ontario, in Dollars, 1975, 1978 and 1981





General

Table GF 6 - Municipal Capital Fund Spending per Household on Transportation, Other than Roads and Transit* in Ontario, in Dollars, 1975-1981

	1975	1977	1978	1980	1981
Metro Toronto	26	3	6	5	5
Regions	38	4	4	8	9
Cities South	7	6	6	8	10
Cities North	9	5	25	8	8
Rural South	24	2	3	3	4
Rural North	33	12	25	22	20
TOTAL PROVINCE	33	4	6	7	8

NOTE: *"Other Transportation" includes parking, street lighting, municipal airports and other miscellaneous (harbour commissions, etc.). Winter works (snow removal, etc.) is included in roads.

Classification by Types of Municipality:

1. Metro-Toronto
- Metropolitan Toronto and its six constituent municipalities.

2. Regional Governments

All upper tier and lower tier municipalities in:

Regions of Durham, Haldimand-Norfolk, Halton, Hamilton-Wentworth, Niagara, Ottawa-Carleton, Peel, Sudbury, Waterloo and York.
District of Muskoka.
Restructured County of Oxford.

3. Cities

All cities outside restructured two tier areas:

Barrie, Belleville, Brantford, Brockville, Chatham, Cornwall, Guelph, Kingston, London, North Bay, Orillia, Owen Sound, Pembroke, Peterborough, Sarnia, Sault Ste. Marie, Stratford, St. Thomas, Thunder Bay, Timmins and Windsor.

4. Rural South

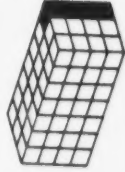
Separated towns, all counties (except Oxford), and all municipalities which support these counties.

5. Rural North

All municipalities in northern Ontario except municipalities in categories 2 and 3 above.
Queen's Park, Toronto, Ontario, p. 128.

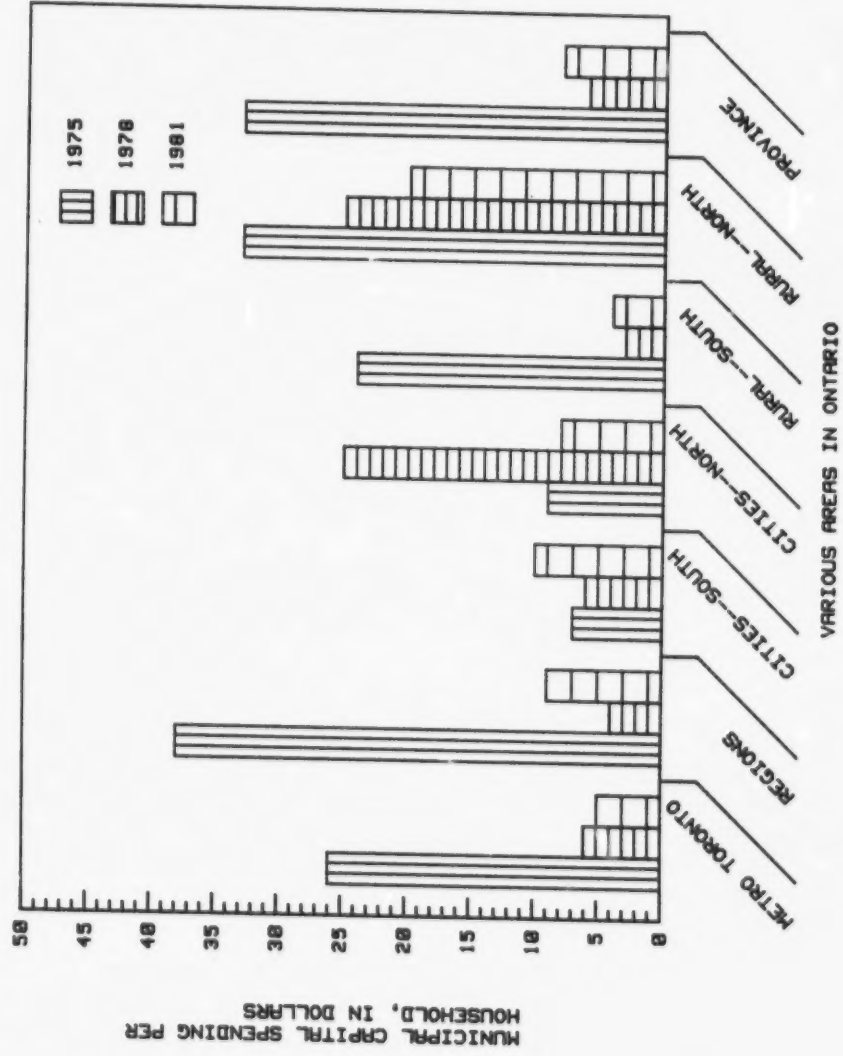
SOURCE:

1. LOCAL GOVERNMENT FINANCE IN ONTARIO 1978, Municipal Finance Branch, Ministry of Treasury and Economics, Queen's Park, Toronto, Ontario, p.128.
2. L.J. Close, Director, Municipal Finance Branch, Ministry of Municipal Affairs and Housing, August 30, 1983.



General

**Figure GF 6 — Municipal Capital Spending per Household on Transportation Other than Roads and Transit in Ontario, in Dollars,
1975, 1978 and 1981**





General

Table GF 7 - Municipal Capital Fund Spending per Household on Total Transportation, in Ontario, in Dollars, 1975-1981

	1975	1977	1978	1980	1981
Metro Toronto	187	203	151	133	167
Regions	159	148	156	180	197
Cities South	114	103	101	116	109
Cities North	98	121	151	136	168
Rural South	110	117	121	167	177
Rural North	101	96	149	142	181
PROVINCE	147	147	140	155	173

NOTE:

Classification by Types of Municipality:

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Metropolitan Toronto and its six constituent municipalities.
2. Regional Governments
All upper tier and lower tier municipalities in:
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District of Muskoka.
Restructured County of Oxford.
3. Cities
All cities outside restructured two tier areas:
Barrie, Belleville, Brantford, Brockville, Chatham, Cornwall, Guelph, Kingston, London, North Bay, Orillia, Owen Sound, Pembroke, Peterborough, Sarnia, Sault Ste. Marie, Stratford, St. Thomas, Thunder Bay, Timmins and Windsor.
4. Rural South
Separated towns, all counties (except Oxford), and all municipalities which support these counties.

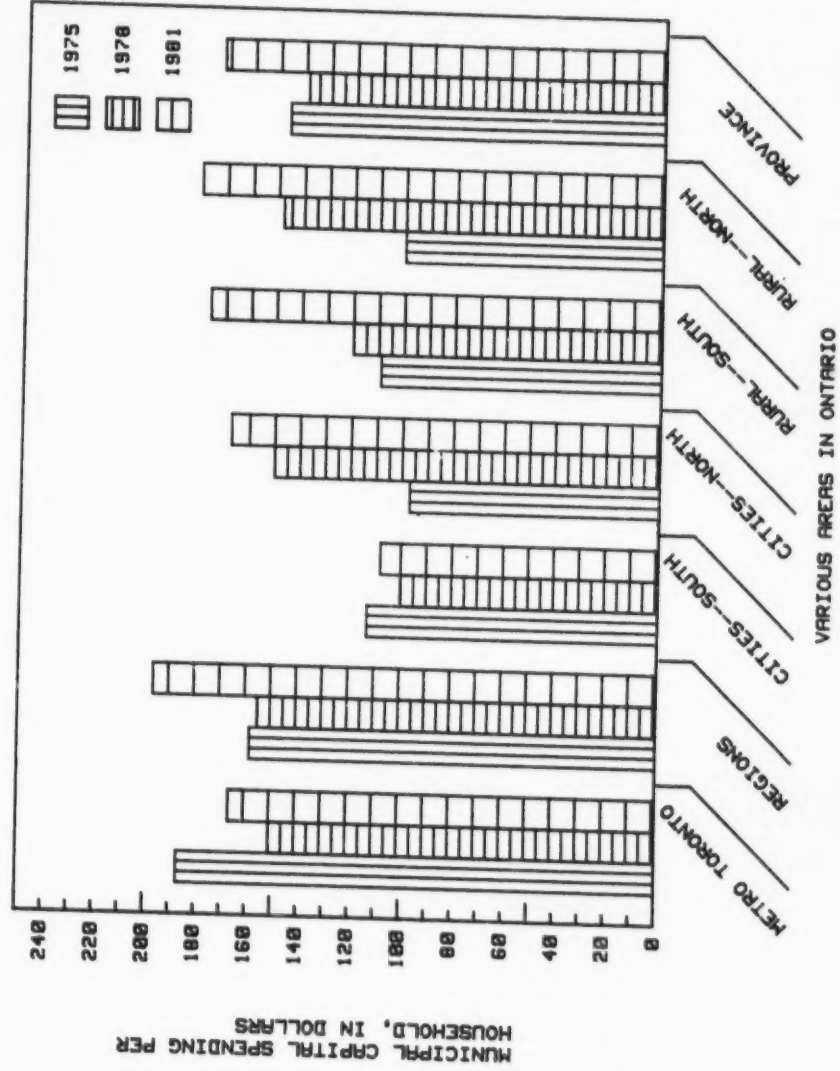
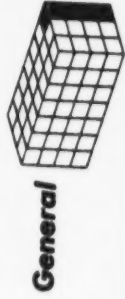
5. Rural North

All municipalities in northern Ontario except municipalities in categories 2 and 3 above.

SOURCE:

1. LOCAL GOVERNMENT FINANCE IN ONTARIO 1978, Municipal Finance Branch, Ministry of Treasury and Economics, Queen's Park, Toronto, Ontario, p. 128.
2. L.J. Close, Director, Municipal Finance Branch, Ministry of Municipal Affairs and Housing, August 30, 1983.

Figure GF 7 - Municipal Capital Spending per Household on Transportation (Total), in Ontario, in Dollars, 1975, 1978 and 1981





General

Table GF 8 - Ontario Provincial Conditional Operating Grants per Household for Municipalities on Transportation, in Dollars,
1975-1981

	1975	1977	1978	1980	1981
Metro Toronto	63	67	71	81	94
Regions	71	77	78	87	102
Cities South	39	50	52	58	63
Cities North	59	67	73	88	99
Rural South	122	138	133	140	156
Rural North	91	117	104	124	123
PROVINCE	75	84	85	93	106

NOTE:

Classification by Types of Municipality:

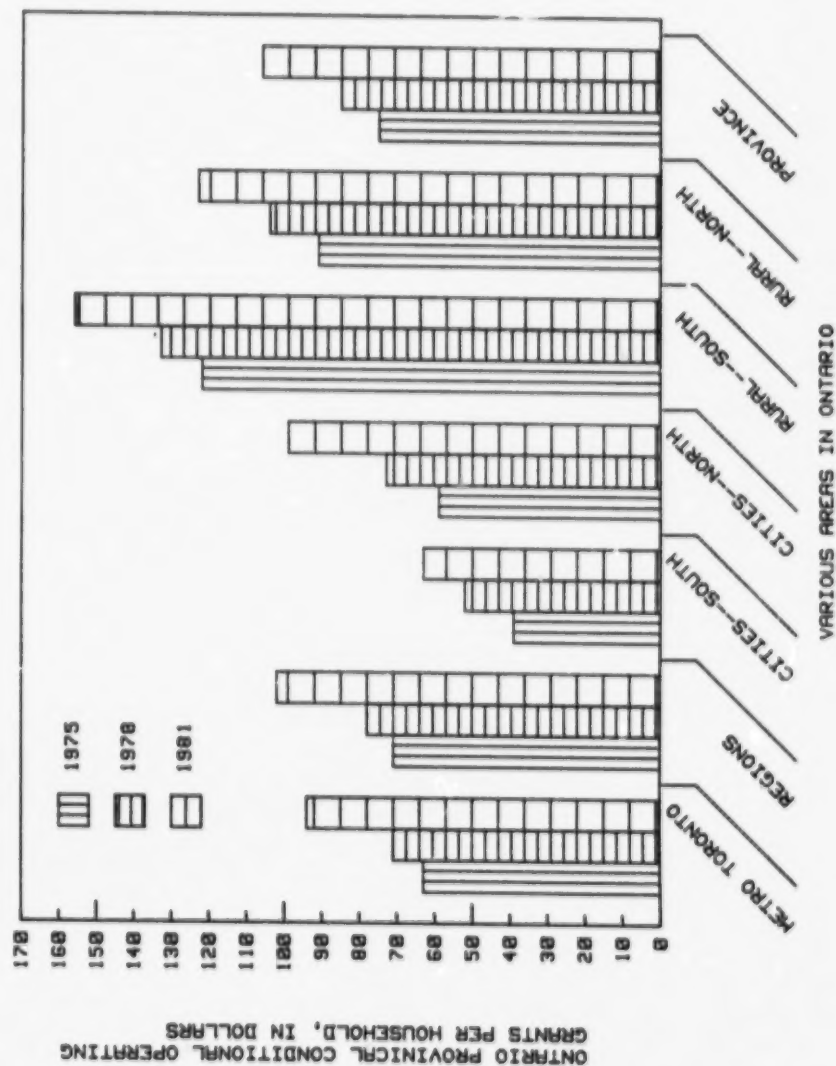
1. Metro-Toronto
Metropolitan Toronto and its six constituent municipalities.
2. Regional Governments
All upper tier and lower tier municipalities in:
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Restructured County of Oxford.
3. Cities
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4. Rural South
Separated towns, all counties (except Oxford), and all municipalities which support these counties.
5. Rural North
All municipalities in northern Ontario except municipalities in categories 2 and 3 above.

SOURCE:

1. LOCAL GOVERNMENT FINANCE IN ONTARIO 1978, Municipal Finance Branch, Ministry of Treasury and Economics, Queen's Park, Toronto, Ontario, p. 133.
2. L.J. Close, Director, Municipal Finance Branch, Ministry of Municipal Affairs and Housing, August 30, 1983.



Figure GF 8 — Ontario Provincial Conditional Operating Grants per Household for Municipalities on Transportation, in Dollars, 1975, 1978 and 1981





General

Table GF 9 — Ontario Provincial Capital Grants per Household for Municipalities on Transportation, in Dollars, 1975–1981

	1975	1977	1978	1980	1981
Metro Toronto	117	121	80	63	88
Regions	52	57	63	70	69
Cities South	39	44	41	47	45
Cities North	33	46	50	61	83
Rural South	52	53	58	93	97
Rural North	47	47	80	71	103
PROVINCE	67	70	64	70	77

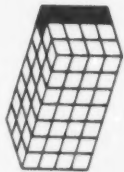
NOTE:

Classification by Types of Municipality:

1. Metro-Toronto
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Restructured County of Oxford.
3. Cities
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4. Rural South
Separated towns, all counties (except Oxford), and all municipalities which support these counties.
5. Rural North
All municipalities in northern Ontario except municipalities in categories 2 and 3 above.

SOURCE:

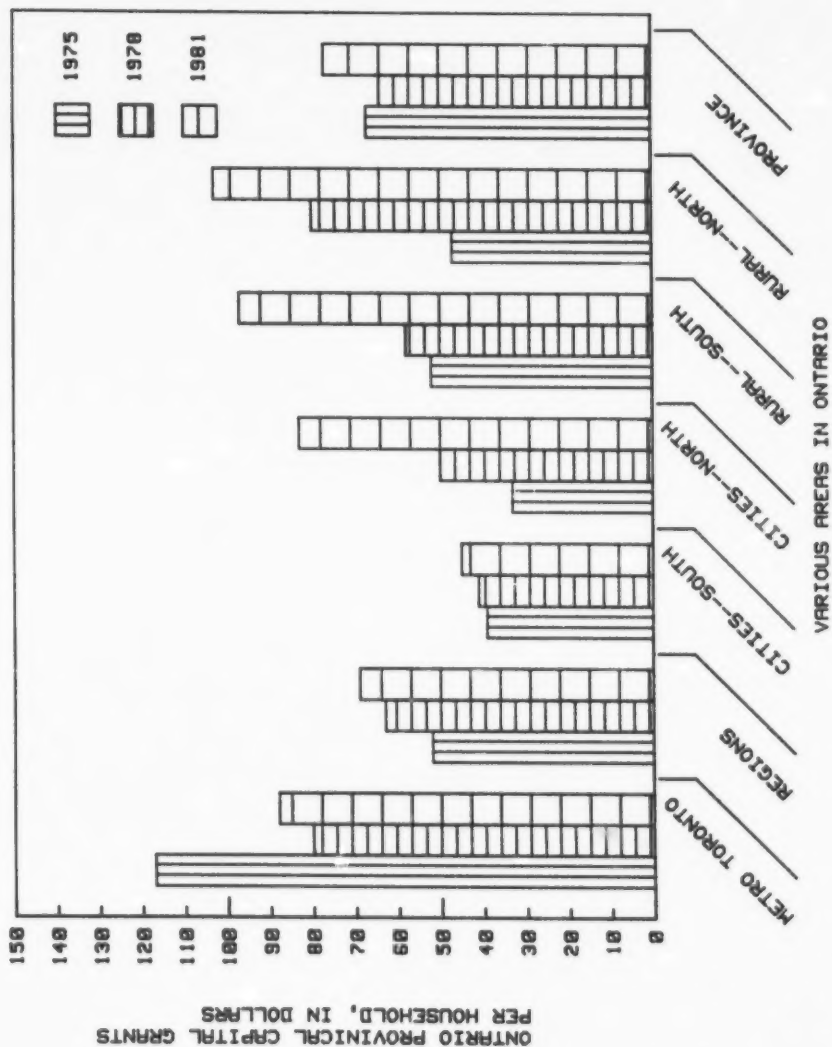
1. LOCAL GOVERNMENT FINANCE IN ONTARIO 1978, Municipal Finance Branch, Ministry of Treasury and Economics, Queen's Park, Toronto, Ontario, p. 134.
2. L.J. Close, Director, Municipal Finance Branch, Ministry of Municipal Affairs and Housing, August 30, 1983.



General

Figure GF 9 — Ontario Provincial Capital Grants per Household for Municipalities on Transportation, in Dollars, 1975, 1978 and 1981

1981





General

Table GF 10 - Ontario Municipal Net Long Term Debt Outstanding per Household on Transportation (Total), in Dollars, 1975-1981

	1975	1977	1978	1980	1981
Metro Toronto	362	363	325	277	254
Regions	165	195	187	174	160
Cities South	162	199	207	196	191
Cities North	146	154	164	175	169
Rural South	25	24	28	28	26
Rural North	26	20	17	18	15
PROVINCE	184	198	188	169	157

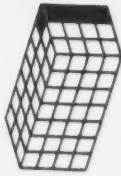
NOTE:

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1. Metro-Toronto
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All cities outside restructured two tier areas:
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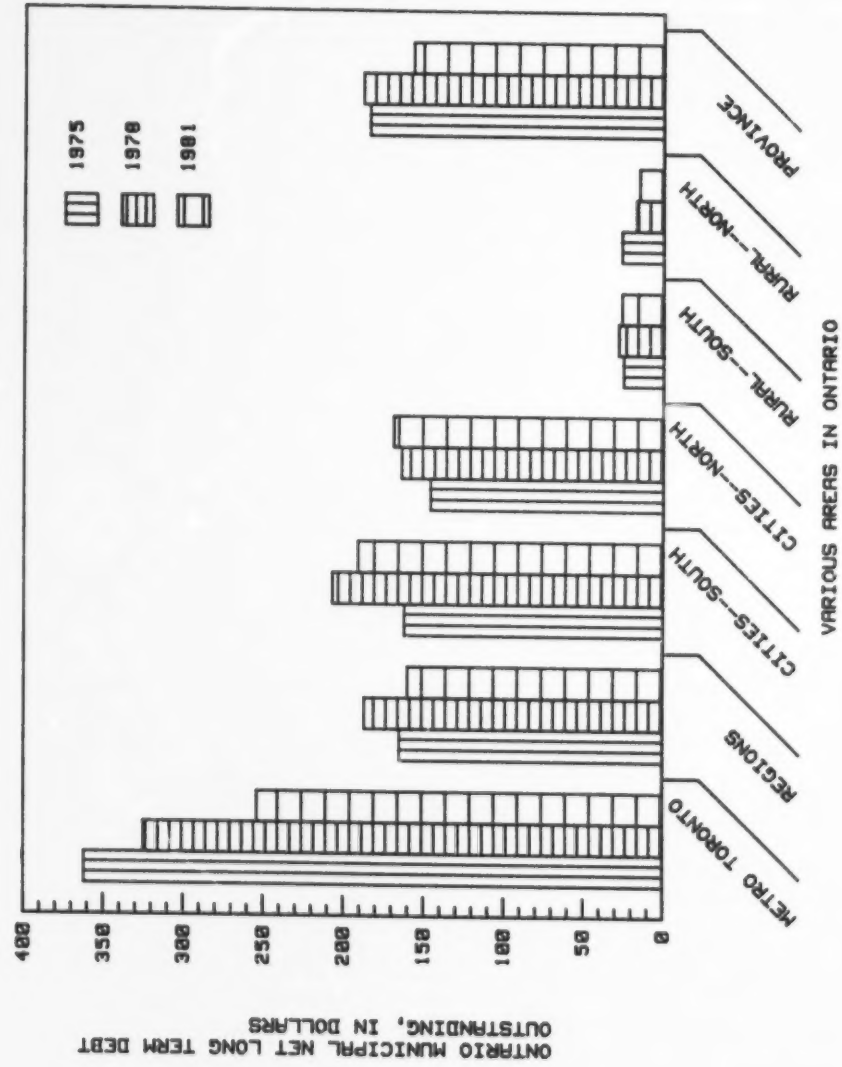
SOURCE:

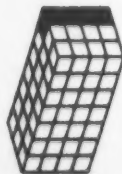
1. LOCAL GOVERNMENT FINANCE IN ONTARIO 1978, Municipal Finance Branch, Ministry of Treasury and Economics, Queen's Park, Toronto, Ontario, p. 141.
2. L.J. Close, Director, Municipal Finance Branch, Ministry of Municipal Affairs and Housing, August 30, 1983.



General

Figure GF 10 — Ontario Municipal Net Long Term Debt Outstanding per Household on Transportation (Total), in Dollars, 1975, 1978 and 1981





General

Table GF 11 - Ontario Municipal Debt Charges per Household on Transportation (Total), in Dollars, 1975-1981

	1975	1977	1978	1980	1981
Metro Toronto	61	62	66	65	61
Regions	26	33	34	35	35
Cities South	26	33	35	38	37
Cities North	28	31	31	31	36
Rural South	5	5	5	6	6
Rural North	5	5	5	4	4
PROVINCE	31	33	35	36	35

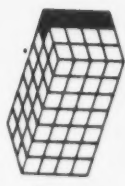
NOTE:

Classification by Types of Municipality:

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District of Muskoka.
Restructured County of Oxford.
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4. Rural South
Separated towns, all counties (except Oxford), and all municipalities which support these counties.
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All municipalities in northern Ontario except municipalities in categories 2 and 3 above.

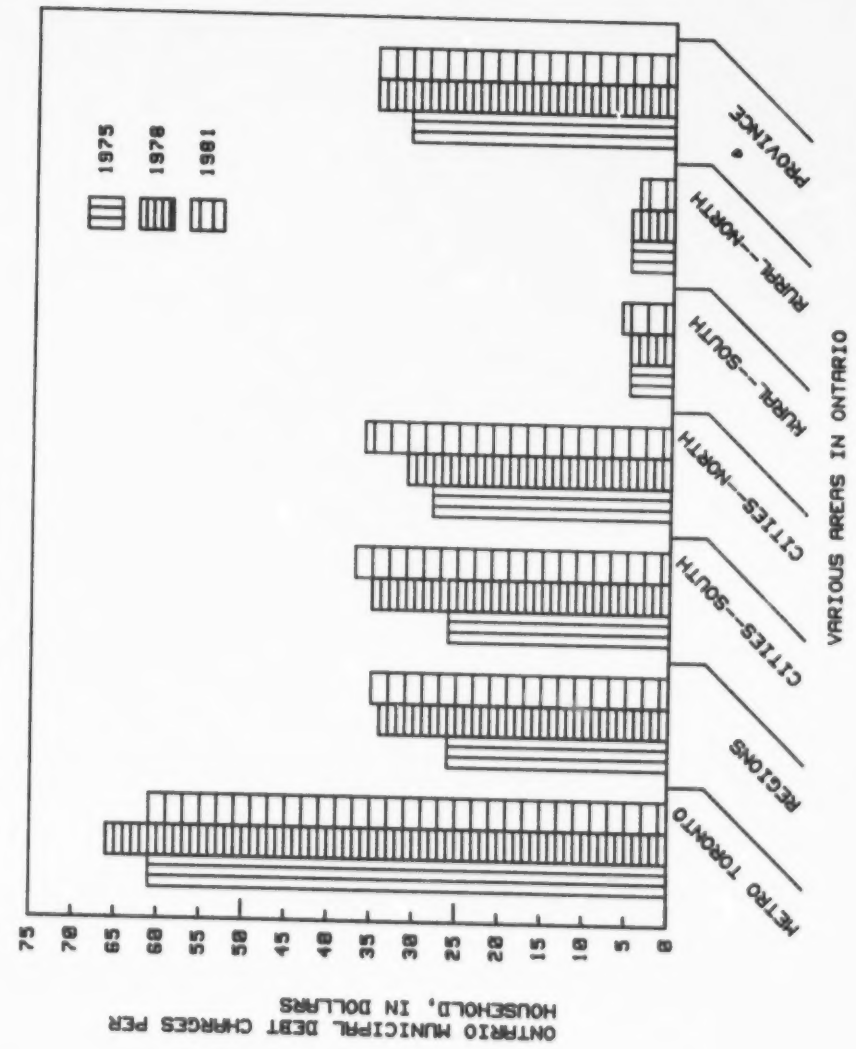
SOURCE:

1. LOCAL GOVERNMENT FINANCE IN ONTARIO 1978, Municipal Finance Branch, Ministry of Treasury and Economics, Queen's Park, Toronto, Ontario, p. 145.
2. L.J. Close, Director, Municipal Finance Branch, Ministry of Municipal Affairs and Housing, August 30, 1983.



General

Figure GF 11 — Ontario Municipal Debt Charges per Household on Transportation (Total), in Dollars, 1975, 1978 and 1981





General

Table GF 12 - Federal Government Direct Subsidies to Carriers: 1967-1979 (Millions of Dollars)

YEAR	RAILWAYS	WATER	HIGHWAY	AIR	Total
1967	133.7	32.8	-	1.2	167.7
1968	110.5	34.2	-	1.3	145.9
1969	97.7	34.4	0.6	3.4	136.1
1970	95.0	36.6	1.6	1.8	135.1
1971	130.6	40.7	6.9	1.5	179.7
1972	165.9	47.1	11.4	1.4	225.9
1973	233.6	68.2	16.0	1.8	319.6
1974	363.6	102.6	20.8	1.9	488.6
1975	301.0	110.7	22.1	2.5	436.2
1976	346.4	104.1	38.7	2.0	491.2
1977	357.0	118.8	28.0	2.0	505.8
1978	385.6	120.2	38.7	2.1	546.5
1979	429.5	146.0	46.0	2.3	623.8

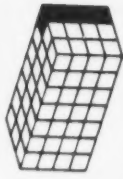
NOTE:

The figures in the above table apply only to direct subsidies paid by the federal government to carriers and does not include government expenditures on infrastructure. These subsidies were only provided to carriers on condition that specific services were provided, ranging from rail branch lines to regional air services. It is therefore arguable, to varying extents, that these direct subsidies are of benefit to transport users more than to transport carriers. Payments to water carriers in 1979 amounted to one-quarter of the total subsidy payment shown in the table. These were mainly in respect of subsidies on water services in Atlantic Canada.

Subsidy figures printed in TRANSPORT REVIEW, Trends and Selected Issues, 1981, Canadian Transport Commission, Research Branch, Ottawa/Hull, 1981, p. 65.

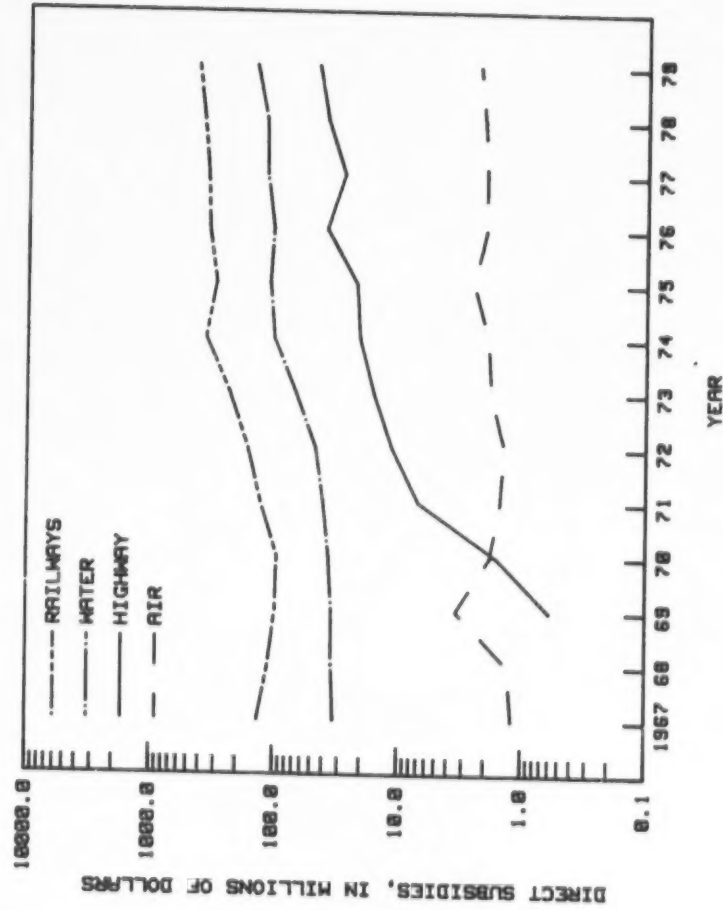
SOURCE:

- (1) Canadian Transport Commission; (2) Public Accounts of Canada;
- (3) Surface Administration, Transport Canada.



General

Figure GF 12 - Federal Government Direct Subsidies to Carriers, 1967 - 1979



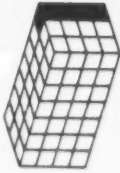


General

Table GF 13 — Federal and Provincial Government, Gross Transportation Expenditures per Capita, 1974/75—1979/80

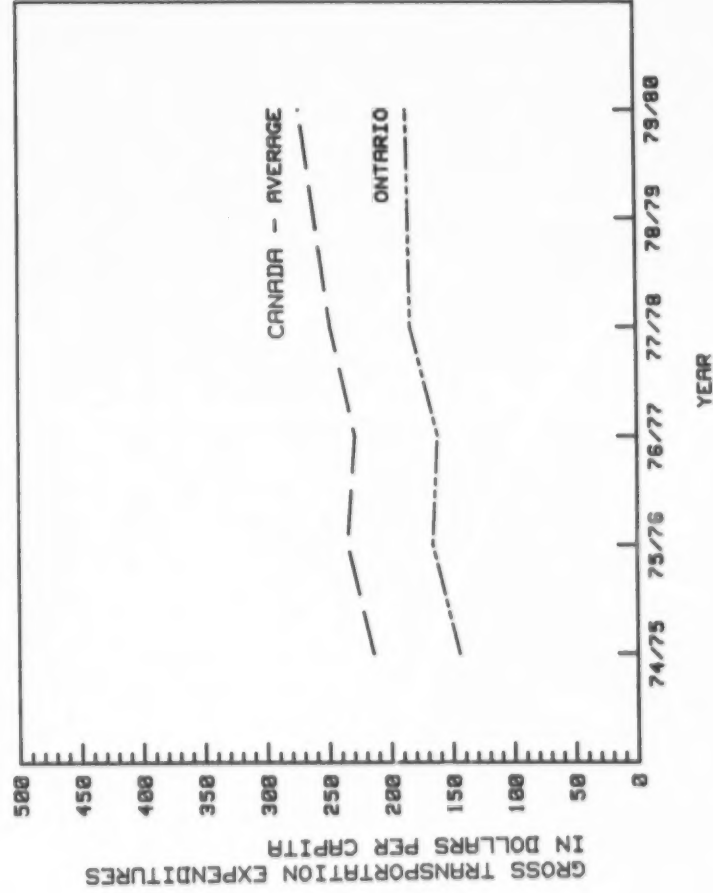
	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80
	(\$ per capita)					
Newfoundland	473.14	560.53	492.74	587.87	631.63	617.39
Prince Edward Island	432.78	536.69	480.54	603.16	622.13	563.73
Nova Scotia	210.82	252.35	258.39	297.21	376.58	398.65
New Brunswick	376.32	311.44	313.01	365.21	410.42	413.89
Atlantic Provinces	22.23	26.35	27.23	17.54	26.99	16.33
Unallocated						
Total Atlantic Provinces	363.05	391.13	374.51	426.89	492.75	484.67
Manitoba	170.36	196.70	222.32	238.00	267.82	281.00
Saskatchewan	233.39	263.50	268.21	260.11	347.97	380.10
Alberta	193.42	226.63	225.90	232.54	263.00	273.90
British Columbia	229.87	257.26	291.78	308.56	267.10	283.33
Total Western Provinces	209.9	239.30	257.56	267.32	277.83	294.21
Quebec	197.16	226.65	200.13	202.45	222.33	229.14
Ontario	144.03	165.22	161.20	183.29	184.16	185.39
Yukon/NWT	1366.67	1483.97	1298.14	1437.01	1304.75	1434.51
Average	213.83	234.14	228.22	247.63	259.86	271.82

SOURCE: Federal and Provincial Government Transportation Expenditures, TP 2726, Strategic Planning, Transport Canada, 1981, as shown in Canadian Intercity Passenger Transportation, An Overview, TP 3160, Transport Canada, Strategic Planning (Addendum - Table 4.2(a)).



General

Figure GF 13 - Federal and Provincial Government Gross Transportation Expenditures per Capita, 1974/75-1979/80



Transportation Compendium Data Structure

Financial
Performance
Inventory
National
(International)
Provincial
Municipal
Private

Highways, Roads,
and Transit
Rail
Marine
Pipeline
General

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7. Transportation General

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